


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

|                                                                                                                                                             |                  |                    |                                                                                                                                                                            |                |                                                                                                                            |                                                                                                                                                                         |                            |                 |              |                                    |               |                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|--------------|------------------------------------|---------------|-----------------|--|
| <b>APPLICATION FOR PERMIT TO DRILL</b>                                                                                                                      |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>1. WELL NAME and NUMBER</b><br>GMBU G-32-8-18                                                                                                                        |                            |                 |              |                                    |               |                 |  |
| <b>2. TYPE OF WORK</b><br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>3. FIELD OR WILDCAT</b><br>MONUMENT BUTTE                                                                                                                            |                            |                 |              |                                    |               |                 |  |
| <b>4. TYPE OF WELL</b><br>Oil Well Coalbed Methane Well: NO                                                                                                 |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b><br>GMBU (GRRV)                                                                                                         |                            |                 |              |                                    |               |                 |  |
| <b>6. NAME OF OPERATOR</b><br>NEWFIELD PRODUCTION COMPANY                                                                                                   |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>7. OPERATOR PHONE</b><br>435 646-4825                                                                                                                                |                            |                 |              |                                    |               |                 |  |
| <b>8. ADDRESS OF OPERATOR</b><br>Rt 3 Box 3630 , Myton, UT, 84052                                                                                           |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>9. OPERATOR E-MAIL</b><br>mcrozier@newfield.com                                                                                                                      |                            |                 |              |                                    |               |                 |  |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>ML-22058                                                                                     |                  |                    | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>    |                |                                                                                                                            | <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |                            |                 |              |                                    |               |                 |  |
| <b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>                                                                                                        |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>                                                                                                                      |                            |                 |              |                                    |               |                 |  |
| <b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>                                                                                                     |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>                                                                                                                     |                            |                 |              |                                    |               |                 |  |
| <b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>                                                                                             |                  |                    | <b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b><br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |                |                                                                                                                            | <b>19. SLANT</b><br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |                            |                 |              |                                    |               |                 |  |
| <b>20. LOCATION OF WELL</b>                                                                                                                                 |                  | <b>FOOTAGES</b>    |                                                                                                                                                                            | <b>QTR-QTR</b> |                                                                                                                            | <b>SECTION</b>                                                                                                                                                          |                            | <b>TOWNSHIP</b> |              | <b>RANGE</b>                       |               | <b>MERIDIAN</b> |  |
| <b>LOCATION AT SURFACE</b>                                                                                                                                  |                  | 1857 FNL 640 FWL   |                                                                                                                                                                            | SWNW           |                                                                                                                            | 32                                                                                                                                                                      |                            | 8.0 S           |              | 18.0 E                             |               | S               |  |
| <b>Top of Uppermost Producing Zone</b>                                                                                                                      |                  | 1530 FNL 1108 FWL  |                                                                                                                                                                            | SWNW           |                                                                                                                            | 32                                                                                                                                                                      |                            | 8.0 S           |              | 18.0 E                             |               | S               |  |
| <b>At Total Depth</b>                                                                                                                                       |                  | 1271 FNL 1512 FWL  |                                                                                                                                                                            | NENW           |                                                                                                                            | 32                                                                                                                                                                      |                            | 8.0 S           |              | 18.0 E                             |               | S               |  |
| <b>21. COUNTY</b><br>UINTAH                                                                                                                                 |                  |                    | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>1271                                                                                                                   |                |                                                                                                                            | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>20                                                                                                                       |                            |                 |              |                                    |               |                 |  |
|                                                                                                                                                             |                  |                    | <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>945                                                                                |                |                                                                                                                            | <b>26. PROPOSED DEPTH</b><br>MD: 6557 TVD: 6460                                                                                                                         |                            |                 |              |                                    |               |                 |  |
| <b>27. ELEVATION - GROUND LEVEL</b><br>5017                                                                                                                 |                  |                    | <b>28. BOND NUMBER</b><br>B001834                                                                                                                                          |                |                                                                                                                            | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>437478                                                                              |                            |                 |              |                                    |               |                 |  |
| <b>Hole, Casing, and Cement Information</b>                                                                                                                 |                  |                    |                                                                                                                                                                            |                |                                                                                                                            |                                                                                                                                                                         |                            |                 |              |                                    |               |                 |  |
| <b>String</b>                                                                                                                                               | <b>Hole Size</b> | <b>Casing Size</b> | <b>Length</b>                                                                                                                                                              | <b>Weight</b>  | <b>Grade &amp; Thread</b>                                                                                                  | <b>Max Mud Wt.</b>                                                                                                                                                      | <b>Cement</b>              |                 | <b>Sacks</b> | <b>Yield</b>                       | <b>Weight</b> |                 |  |
| <b>SURF</b>                                                                                                                                                 | 12.25            | 8.625              | 0 - 300                                                                                                                                                                    | 24.0           | J-55 ST&C                                                                                                                  | 8.3                                                                                                                                                                     | Class G                    |                 | 138          | 1.17                               | 15.8          |                 |  |
| <b>PROD</b>                                                                                                                                                 | 7.875            | 5.5                | 0 - 6557                                                                                                                                                                   | 15.5           | J-55 LT&C                                                                                                                  | 8.3                                                                                                                                                                     | Premium Lite High Strength |                 | 315          | 3.26                               | 11.0          |                 |  |
|                                                                                                                                                             |                  |                    |                                                                                                                                                                            |                |                                                                                                                            |                                                                                                                                                                         | 50/50 Poz                  |                 | 363          | 1.24                               | 14.3          |                 |  |
| <b>ATTACHMENTS</b>                                                                                                                                          |                  |                    |                                                                                                                                                                            |                |                                                                                                                            |                                                                                                                                                                         |                            |                 |              |                                    |               |                 |  |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>                                                 |                  |                    |                                                                                                                                                                            |                |                                                                                                                            |                                                                                                                                                                         |                            |                 |              |                                    |               |                 |  |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER                                                              |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                                                                                              |                            |                 |              |                                    |               |                 |  |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)                                                                    |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER                                                                                              |                            |                 |              |                                    |               |                 |  |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)                                                      |                  |                    |                                                                                                                                                                            |                |                                                                                                                            | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                                                                                                                   |                            |                 |              |                                    |               |                 |  |
| <b>NAME</b> Mandie Crozier                                                                                                                                  |                  |                    |                                                                                                                                                                            |                | <b>TITLE</b> Regulatory Tech                                                                                               |                                                                                                                                                                         |                            |                 |              | <b>PHONE</b> 435 646-4825          |               |                 |  |
| <b>SIGNATURE</b>                                                                                                                                            |                  |                    |                                                                                                                                                                            |                | <b>DATE</b> 08/16/2011                                                                                                     |                                                                                                                                                                         |                            |                 |              | <b>EMAIL</b> mcrozier@newfield.com |               |                 |  |
| <b>API NUMBER ASSIGNED</b><br>43047518820000                                                                                                                |                  |                    |                                                                                                                                                                            |                | <b>APPROVAL</b><br><br>Permit Manager |                                                                                                                                                                         |                            |                 |              |                                    |               |                 |  |

RECEIVED: November 08, 2011

NEWFIELD PRODUCTION COMPANY  
GMBU G-32-8-18  
AT SURFACE: SW/NW SECTION 32, T8S, R18E  
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|                    |              |
|--------------------|--------------|
| Uinta              | 0' – 1685'   |
| Green River        | 1685'        |
| Wasatch            | 6305'        |
| <b>Proposed TD</b> | <b>6557'</b> |

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)      1685' – 6305'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

|                                                    |                                               |
|----------------------------------------------------|-----------------------------------------------|
| Location & Sampled Interval                        | Date Sampled                                  |
| Flow Rate                                          | Temperature                                   |
| Hardness                                           | pH                                            |
| Water Classification (State of Utah)               | Dissolved Calcium (Ca) (mg/l)                 |
| Dissolved Iron (Fe) (ug/l)                         | Dissolved Sodium (Na) (mg/l)                  |
| Dissolved Magnesium (Mg) (mg/l)                    | Dissolved Carbonate (CO <sub>3</sub> ) (mg/l) |
| Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l) | Dissolved Chloride (Cl) (mg/l)                |
| Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)        | Dissolved Total Solids (TDS) (mg/l)           |

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU G-32-8-18**

| Size                     | Interval |        | Weight | Grade | Coupling | Design Factors |                |                  |
|--------------------------|----------|--------|--------|-------|----------|----------------|----------------|------------------|
|                          | Top      | Bottom |        |       |          | Burst          | Collapse       | Tension          |
| Surface casing<br>8-5/8" | 0'       | 300'   | 24.0   | J-55  | STC      | 2,950<br>17.53 | 1,370<br>14.35 | 244,000<br>33.89 |
| Prod casing<br>5-1/2"    | 0'       | 6,557' | 15.5   | J-55  | LTC      | 4,810<br>2.31  | 4,040<br>1.94  | 217,000<br>2.14  |

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU G-32-8-18**

| Job                 | Fill   | Description                      | Sacks           | OH<br>Excess* | Weight<br>(ppg) | Yield<br>(ft <sup>3</sup> /sk) |
|---------------------|--------|----------------------------------|-----------------|---------------|-----------------|--------------------------------|
|                     |        |                                  | ft <sup>3</sup> |               |                 |                                |
| Surface casing      | 300'   | Class G w/ 2% CaCl               | 138<br>161      | 30%           | 15.8            | 1.17                           |
| Prod casing<br>Lead | 4,557' | Prem Lite II w/ 10% gel + 3% KCl | 315<br>1026     | 30%           | 11.0            | 3.26                           |
| Prod casing<br>Tail | 2,000' | 50/50 Poz w/ 2% gel + 3% KCl     | 363<br>451      | 30%           | 14.3            | 1.24                           |

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 300$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 300$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

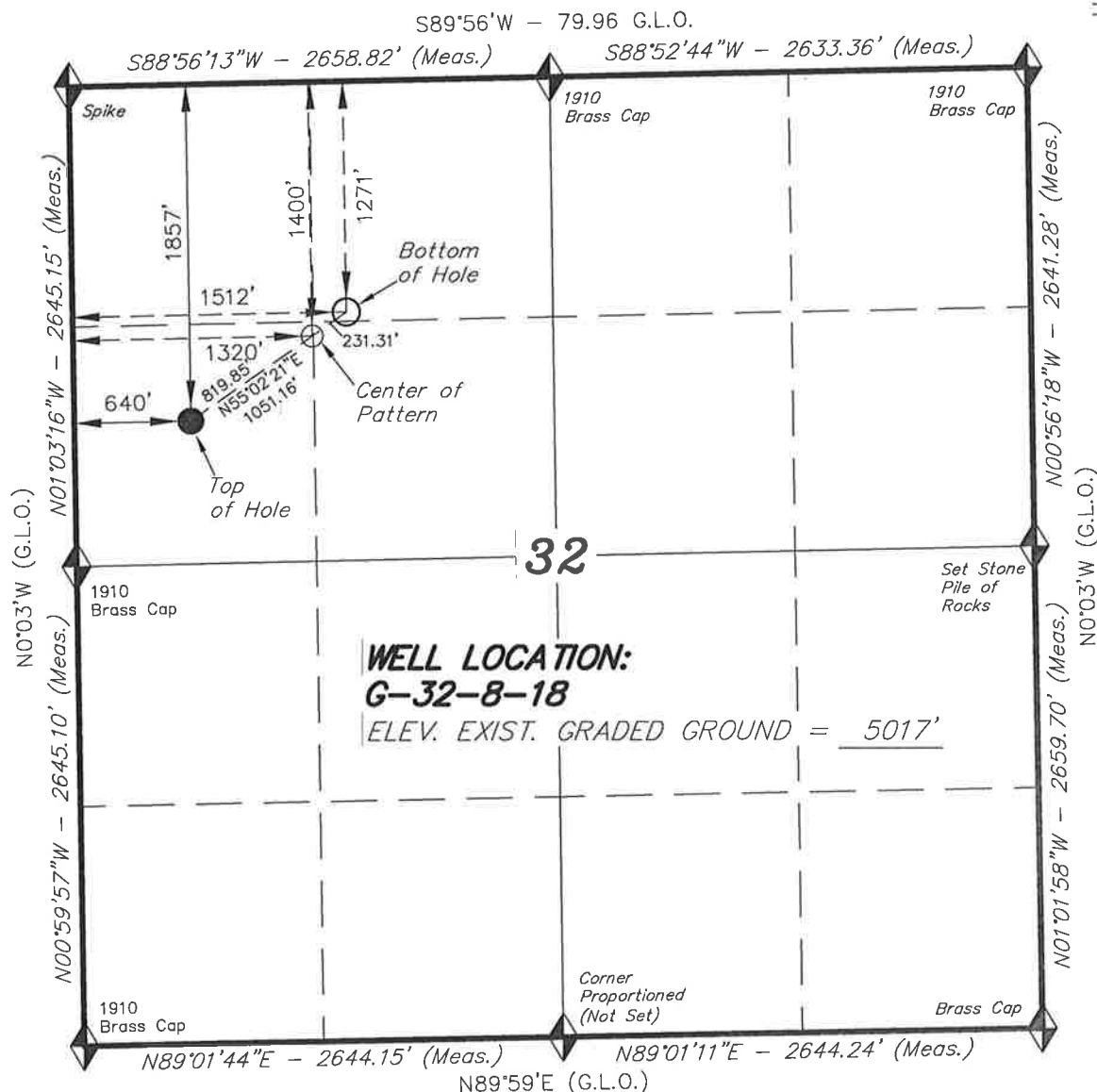
It is anticipated that the drilling operations will commence the fourth quarter of 2011, and take approximately seven (7) days from spud to rig release.

*T8S, R18E, S.L.B.&M.*

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, G-32-8-18, LOCATED  
AS SHOWN IN THE SW 1/4 NW 1/4 OF  
SECTION 32, T8S, R18E, S.L.B.&M.  
UINTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, G-32-8-18,  
LOCATED AS SHOWN IN THE NE 1/4 NW  
1/4 OF SECTION 32, T8S, R18E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



A horizontal bar scale with alternating black and white segments. Above the bar, the markings '1000'', '500'', '0'', '500'', and '1000'' are printed from left to right. Below the bar, the text 'BAR SCALE' is centered.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.

07-27-11  
STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 18937  
STATE OF UTAH

 = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on  
an N.G.S. OPUS Correction. LOCATION:  
LAT. 40°04'09.56" LONG. 110°00'43.28"  
(Tristate Aluminum Cap) Elev. 5281.57'

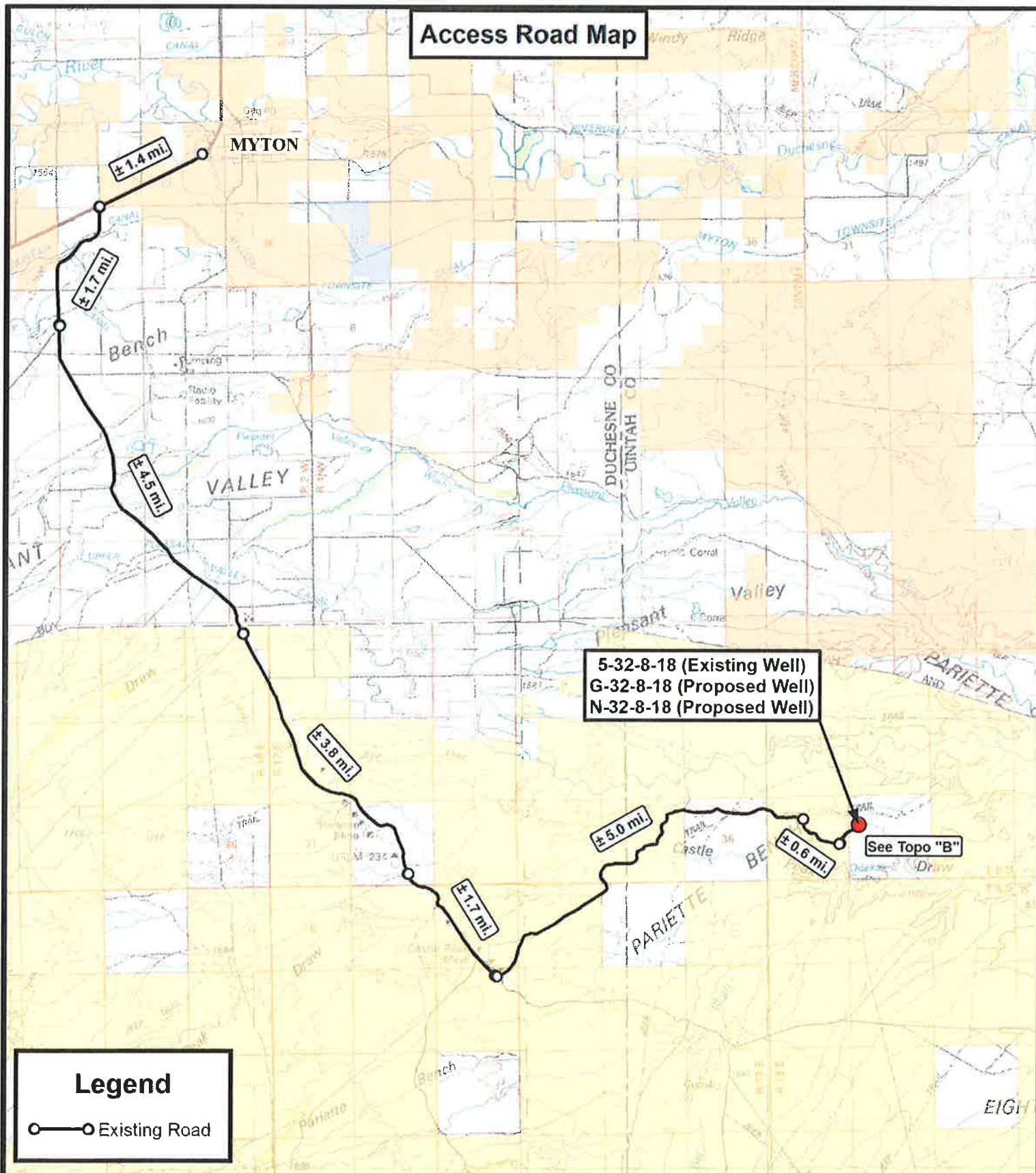
G-32-8-18  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 35.74"  
LONGITUDE = 109° 55' 28.34"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. – VERNAL, UTAH 84078  
(435) 781-2501

|                            |                   |          |
|----------------------------|-------------------|----------|
| DATE SURVEYED:<br>06-24-11 | SURVEYED BY: S.H. | VERSION: |
| DATE DRAWN:<br>07-22-11    | DRAWN BY: M.W.    | V1       |
| REVISED:                   | SCALE: 1" = 1000' |          |

## Access Road Map



**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

|           |            |          |          |
|-----------|------------|----------|----------|
| DRAWN BY: | C.H.M.     | REVISED: | VERSION: |
| DATE:     | 08-04-2011 |          | V1       |
| SCALE:    | 1:100,000  |          |          |



## NEWFIELD EXPLORATION COMPANY

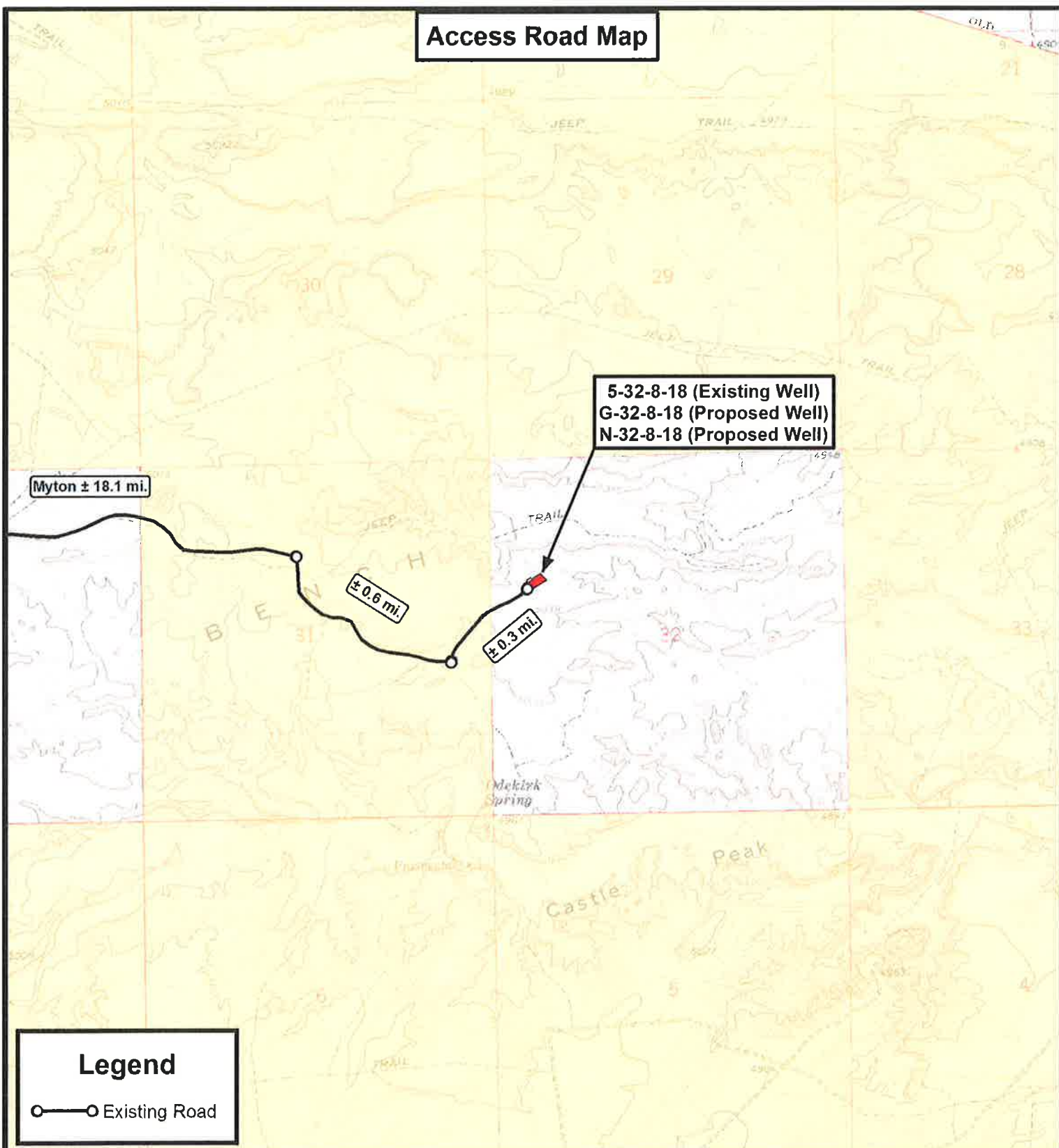
5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)  
SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

**TOPOGRAPHIC MAP**

SHEET

**A**

# Access Road Map



## Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

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## NEWFIELD EXPLORATION COMPANY

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)

SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

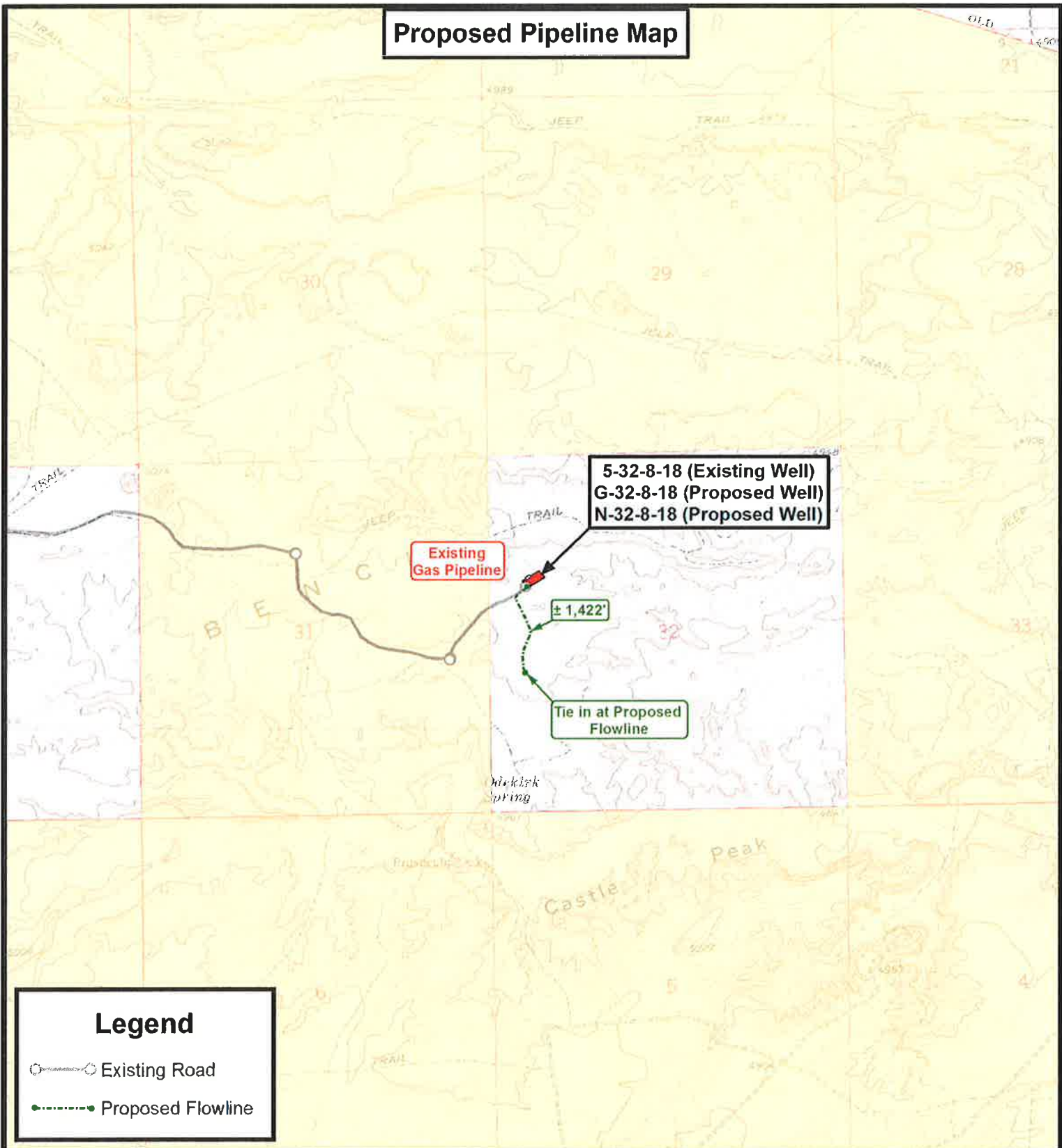
|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 08-04-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

TOPOGRAPHIC MAP

SHEET

**B**

# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Flowline

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



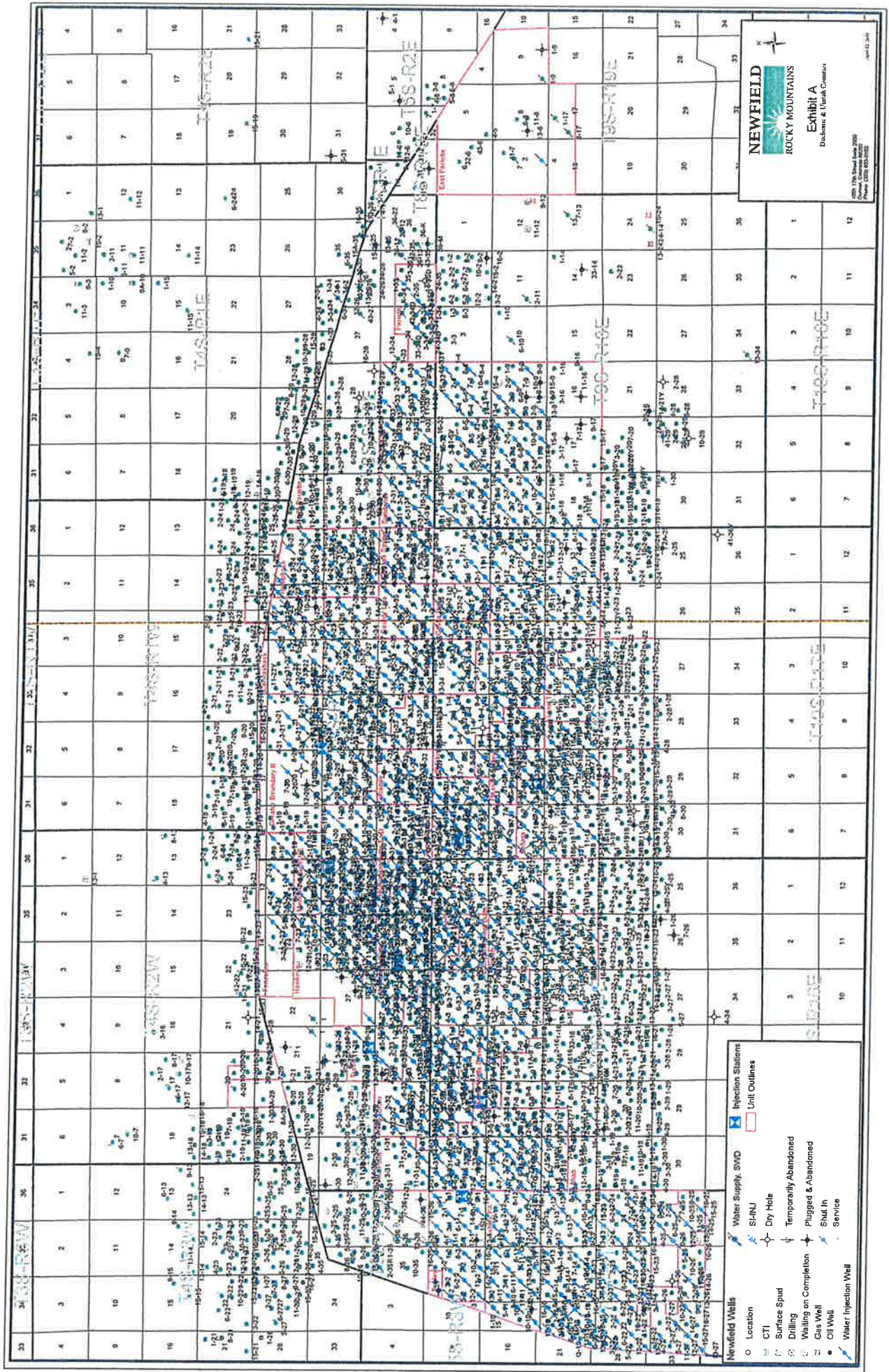
## NEWFIELD EXPLORATION COMPANY

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)  
SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 08-04-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

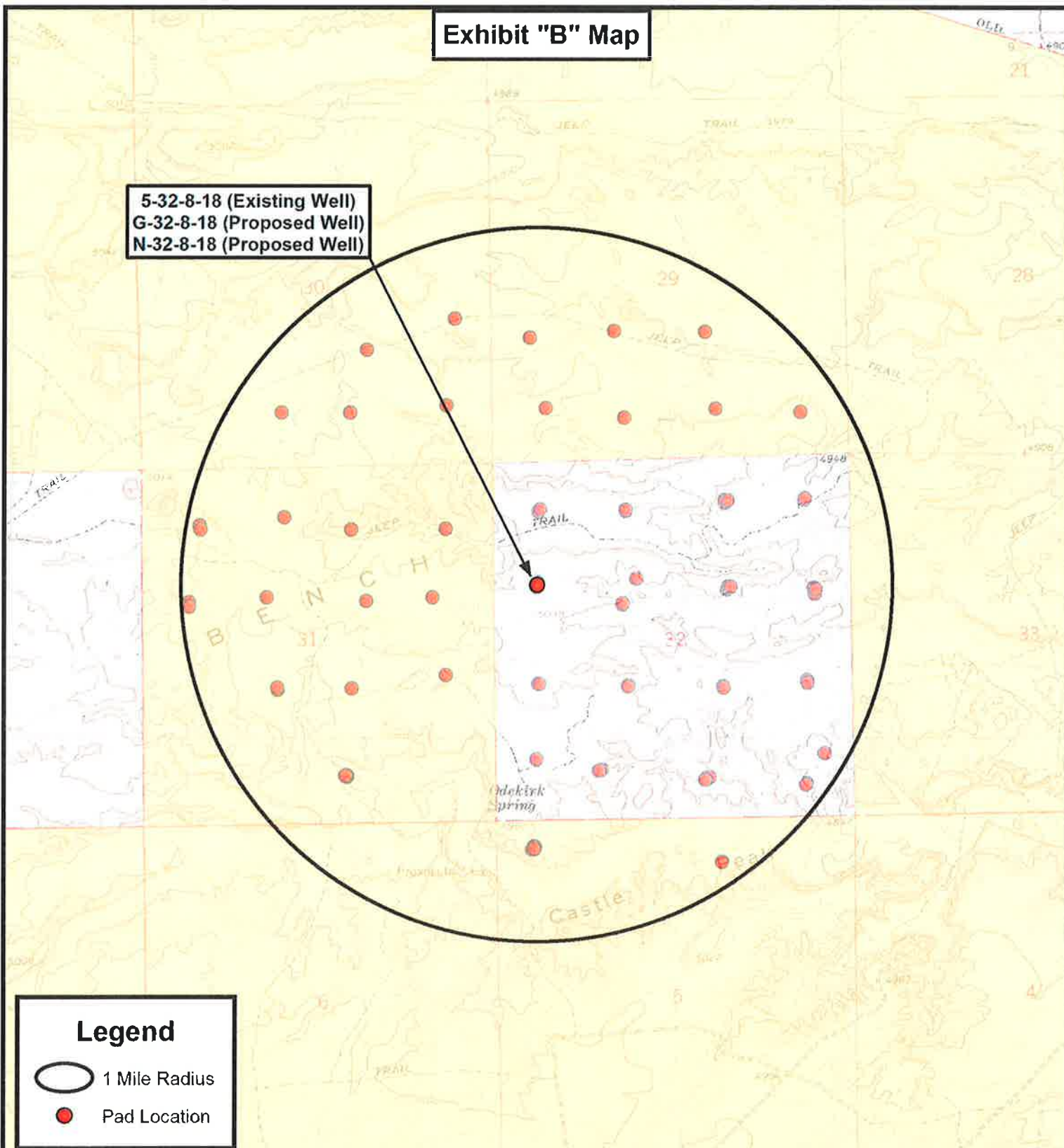
**TOPOGRAPHIC MAP**

SHEET  
**C**



## Exhibit "B" Map

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)



## Legend

- 1 Mile Radius  
● Pad Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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## NEWFIELD EXPLORATION COMPANY

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)  
SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 08-04-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

**TOPOGRAPHIC MAP**

SHEET

**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 32 T8, R18**

**G-32-8-18**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**21 July, 2011**





|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well G-32-8-18                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8, R18         | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | G-32-8-18                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

|                    |                                              |                      |                |
|--------------------|----------------------------------------------|----------------------|----------------|
| <b>Project</b>     | USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA |                      |                |
| <b>Map System:</b> | US State Plane 1983                          | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983                    |                      |                |
| <b>Map Zone:</b>   | Utah Central Zone                            |                      |                |

|                              |                    |                     |                 |                                     |
|------------------------------|--------------------|---------------------|-----------------|-------------------------------------|
| <b>Site</b>                  | SECTION 32 T8, R18 |                     |                 |                                     |
| <b>Site Position:</b>        |                    | <b>Northing:</b>    | 7,200,263.45 ft | <b>Latitude:</b> 40° 4' 35.740 N    |
| <b>From:</b>                 | Lat/Long           | <b>Easting:</b>     | 2,067,256.45 ft | <b>Longitude:</b> 109° 58' 28.340 W |
| <b>Position Uncertainty:</b> | 0.0 ft             | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> 0.98 °     |

|                             |                                                     |             |                            |                 |
|-----------------------------|-----------------------------------------------------|-------------|----------------------------|-----------------|
| <b>Well</b>                 | G-32-8-18, SHL LAT: 40 04 35.74 LONG: -109 55 28.34 |             |                            |                 |
| <b>Well Position</b>        | <b>+N/-S</b>                                        | -3.9 ft     | <b>Northing:</b>           | 7,200,505.94 ft |
|                             | <b>+E/-W</b>                                        | 13,991.2 ft | <b>Easting:</b>            | 2,081,245.54 ft |
| <b>Position Uncertainty</b> |                                                     | 0.0 ft      | <b>Wellhead Elevation:</b> | 5,029.0 ft      |
|                             |                                                     |             | <b>Ground Level:</b>       | 5,017.0 ft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 2011/07/21         | 11.25                  | 65.85                | 52,301                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Design #1                    |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 55.04                |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |               |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target        |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |               |
| 600.0                | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |               |
| 1,321.6              | 10.82           | 55.04       | 1,317.3             | 38.9       | 55.7       | 1.50                  | 1.50                 | 0.00                | 55.04   |               |
| 5,325.5              | 10.82           | 55.04       | 5,250.0             | 469.8      | 671.9      | 0.00                  | 0.00                 | 0.00                | 0.00    | G-32-8-18 TGT |
| 6,557.4              | 10.82           | 55.04       | 6,460.0             | 602.3      | 861.5      | 0.00                  | 0.00                 | 0.00                | 0.00    |               |



|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well G-32-8-18                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8, R18         | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | G-32-8-18                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

| Planned Survey                 |                 |             |                     |            |            |                       |                       |                      |                     |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0                            | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 100.0                          | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0                          | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 300.0                          | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0                          | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 500.0                          | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0                          | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| Start Build 1.50               |                 |             |                     |            |            |                       |                       |                      |                     |
| 700.0                          | 1.50            | 55.04       | 700.0               | 0.8        | 1.1        | 1.3                   | 1.50                  | 1.50                 | 0.00                |
| 800.0                          | 3.00            | 55.04       | 799.9               | 3.0        | 4.3        | 5.2                   | 1.50                  | 1.50                 | 0.00                |
| 900.0                          | 4.50            | 55.04       | 899.7               | 6.7        | 9.7        | 11.8                  | 1.50                  | 1.50                 | 0.00                |
| 1,000.0                        | 6.00            | 55.04       | 999.3               | 12.0       | 17.1       | 20.9                  | 1.50                  | 1.50                 | 0.00                |
| 1,100.0                        | 7.50            | 55.04       | 1,098.6             | 18.7       | 26.8       | 32.7                  | 1.50                  | 1.50                 | 0.00                |
| 1,200.0                        | 9.00            | 55.04       | 1,197.5             | 26.9       | 38.5       | 47.0                  | 1.50                  | 1.50                 | 0.00                |
| 1,300.0                        | 10.50           | 55.04       | 1,296.1             | 36.7       | 52.4       | 64.0                  | 1.50                  | 1.50                 | 0.00                |
| 1,321.6                        | 10.82           | 55.04       | 1,317.3             | 38.9       | 55.7       | 68.0                  | 1.50                  | 1.50                 | 0.00                |
| Start 4003.9 hold at 1321.6 MD |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,400.0                        | 10.82           | 55.04       | 1,394.3             | 47.4       | 67.8       | 82.7                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.0                        | 10.82           | 55.04       | 1,492.5             | 58.1       | 83.2       | 101.5                 | 0.00                  | 0.00                 | 0.00                |
| 1,600.0                        | 10.82           | 55.04       | 1,590.8             | 68.9       | 98.5       | 120.2                 | 0.00                  | 0.00                 | 0.00                |
| 1,700.0                        | 10.82           | 55.04       | 1,689.0             | 79.7       | 113.9      | 139.0                 | 0.00                  | 0.00                 | 0.00                |
| 1,800.0                        | 10.82           | 55.04       | 1,787.2             | 90.4       | 129.3      | 157.8                 | 0.00                  | 0.00                 | 0.00                |
| 1,900.0                        | 10.82           | 55.04       | 1,885.4             | 101.2      | 144.7      | 176.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,000.0                        | 10.82           | 55.04       | 1,983.6             | 111.9      | 160.1      | 195.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,100.0                        | 10.82           | 55.04       | 2,081.9             | 122.7      | 175.5      | 214.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,200.0                        | 10.82           | 55.04       | 2,180.1             | 133.5      | 190.9      | 232.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,300.0                        | 10.82           | 55.04       | 2,278.3             | 144.2      | 206.3      | 251.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,400.0                        | 10.82           | 55.04       | 2,376.5             | 155.0      | 221.7      | 270.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,500.0                        | 10.82           | 55.04       | 2,474.8             | 165.7      | 237.1      | 289.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0                        | 10.82           | 55.04       | 2,573.0             | 176.5      | 252.4      | 308.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,700.0                        | 10.82           | 55.04       | 2,671.2             | 187.3      | 267.8      | 326.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,800.0                        | 10.82           | 55.04       | 2,769.4             | 198.0      | 283.2      | 345.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,900.0                        | 10.82           | 55.04       | 2,867.6             | 208.8      | 298.6      | 364.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,000.0                        | 10.82           | 55.04       | 2,965.9             | 219.5      | 314.0      | 383.1                 | 0.00                  | 0.00                 | 0.00                |
| 3,100.0                        | 10.82           | 55.04       | 3,064.1             | 230.3      | 329.4      | 401.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,200.0                        | 10.82           | 55.04       | 3,162.3             | 241.1      | 344.8      | 420.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,300.0                        | 10.82           | 55.04       | 3,260.5             | 251.8      | 360.2      | 439.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,400.0                        | 10.82           | 55.04       | 3,358.7             | 262.6      | 375.6      | 458.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,500.0                        | 10.82           | 55.04       | 3,457.0             | 273.4      | 391.0      | 477.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,600.0                        | 10.82           | 55.04       | 3,555.2             | 284.1      | 406.3      | 495.8                 | 0.00                  | 0.00                 | 0.00                |
| 3,700.0                        | 10.82           | 55.04       | 3,653.4             | 294.9      | 421.7      | 514.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0                        | 10.82           | 55.04       | 3,751.6             | 305.6      | 437.1      | 533.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,900.0                        | 10.82           | 55.04       | 3,849.8             | 316.4      | 452.5      | 552.2                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0                        | 10.82           | 55.04       | 3,948.1             | 327.2      | 467.9      | 570.9                 | 0.00                  | 0.00                 | 0.00                |
| 4,100.0                        | 10.82           | 55.04       | 4,046.3             | 337.9      | 483.3      | 589.7                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0                        | 10.82           | 55.04       | 4,144.5             | 348.7      | 498.7      | 608.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,300.0                        | 10.82           | 55.04       | 4,242.7             | 359.4      | 514.1      | 627.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,400.0                        | 10.82           | 55.04       | 4,340.9             | 370.2      | 529.5      | 646.0                 | 0.00                  | 0.00                 | 0.00                |
| 4,500.0                        | 10.82           | 55.04       | 4,439.2             | 381.0      | 544.9      | 664.8                 | 0.00                  | 0.00                 | 0.00                |
| 4,600.0                        | 10.82           | 55.04       | 4,537.4             | 391.7      | 560.2      | 683.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,700.0                        | 10.82           | 55.04       | 4,635.6             | 402.5      | 575.6      | 702.4                 | 0.00                  | 0.00                 | 0.00                |
| 4,800.0                        | 10.82           | 55.04       | 4,733.8             | 413.2      | 591.0      | 721.2                 | 0.00                  | 0.00                 | 0.00                |
| 4,900.0                        | 10.82           | 55.04       | 4,832.1             | 424.0      | 606.4      | 739.9                 | 0.00                  | 0.00                 | 0.00                |
| 5,000.0                        | 10.82           | 55.04       | 4,930.3             | 434.8      | 621.8      | 758.7                 | 0.00                  | 0.00                 | 0.00                |



|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well G-32-8-18                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | G-32-8-18 @ 5029.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8, R18         | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | G-32-8-18                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

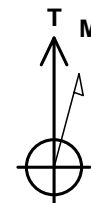
| Planned Survey                 |                 |             |                     |            |            |                       |                       |                      |                     |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,100.0                        | 10.82           | 55.04       | 5,028.5             | 445.5      | 637.2      | 777.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,200.0                        | 10.82           | 55.04       | 5,126.7             | 456.3      | 652.6      | 796.3                 | 0.00                  | 0.00                 | 0.00                |
| 5,300.0                        | 10.82           | 55.04       | 5,224.9             | 467.0      | 668.0      | 815.1                 | 0.00                  | 0.00                 | 0.00                |
| 5,325.5                        | 10.82           | 55.04       | 5,250.0             | 469.8      | 671.9      | 819.8                 | 0.00                  | 0.00                 | 0.00                |
| Start 1231.9 hold at 5325.5 MD |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,400.0                        | 10.82           | 55.04       | 5,323.2             | 477.8      | 683.4      | 833.8                 | 0.00                  | 0.00                 | 0.00                |
| 5,500.0                        | 10.82           | 55.04       | 5,421.4             | 488.6      | 698.8      | 852.6                 | 0.00                  | 0.00                 | 0.00                |
| 5,600.0                        | 10.82           | 55.04       | 5,519.6             | 499.3      | 714.1      | 871.4                 | 0.00                  | 0.00                 | 0.00                |
| 5,700.0                        | 10.82           | 55.04       | 5,617.8             | 510.1      | 729.5      | 890.2                 | 0.00                  | 0.00                 | 0.00                |
| 5,800.0                        | 10.82           | 55.04       | 5,716.0             | 520.8      | 744.9      | 909.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,900.0                        | 10.82           | 55.04       | 5,814.3             | 531.6      | 760.3      | 927.7                 | 0.00                  | 0.00                 | 0.00                |
| 6,000.0                        | 10.82           | 55.04       | 5,912.5             | 542.4      | 775.7      | 946.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,100.0                        | 10.82           | 55.04       | 6,010.7             | 553.1      | 791.1      | 965.3                 | 0.00                  | 0.00                 | 0.00                |
| 6,200.0                        | 10.82           | 55.04       | 6,108.9             | 563.9      | 806.5      | 984.1                 | 0.00                  | 0.00                 | 0.00                |
| 6,300.0                        | 10.82           | 55.04       | 6,207.1             | 574.6      | 821.9      | 1,002.8               | 0.00                  | 0.00                 | 0.00                |
| 6,400.0                        | 10.82           | 55.04       | 6,305.4             | 585.4      | 837.3      | 1,021.6               | 0.00                  | 0.00                 | 0.00                |
| 6,500.0                        | 10.82           | 55.04       | 6,403.6             | 596.2      | 852.7      | 1,040.4               | 0.00                  | 0.00                 | 0.00                |
| 6,557.4                        | 10.82           | 55.04       | 6,460.0             | 602.3      | 861.5      | 1,051.2               | 0.00                  | 0.00                 | 0.00                |
| TD at 6557.4                   |                 |             |                     |            |            |                       |                       |                      |                     |

| Plan Annotations    |                     |                   |            |                                |
|---------------------|---------------------|-------------------|------------|--------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                        |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                |
| 600.0               | 600.0               | 0.0               | 0.0        | Start Build 1.50               |
| 1,321.6             | 1,317.3             | 38.9              | 55.7       | Start 4003.9 hold at 1321.6 MD |
| 5,325.5             | 5,250.0             | 469.8             | 671.9      | Start 1231.9 hold at 5325.5 MD |
| 6,557.4             | 6,460.0             | 602.3             | 861.5      | TD at 6557.4                   |

API Well Number: 43047518820000



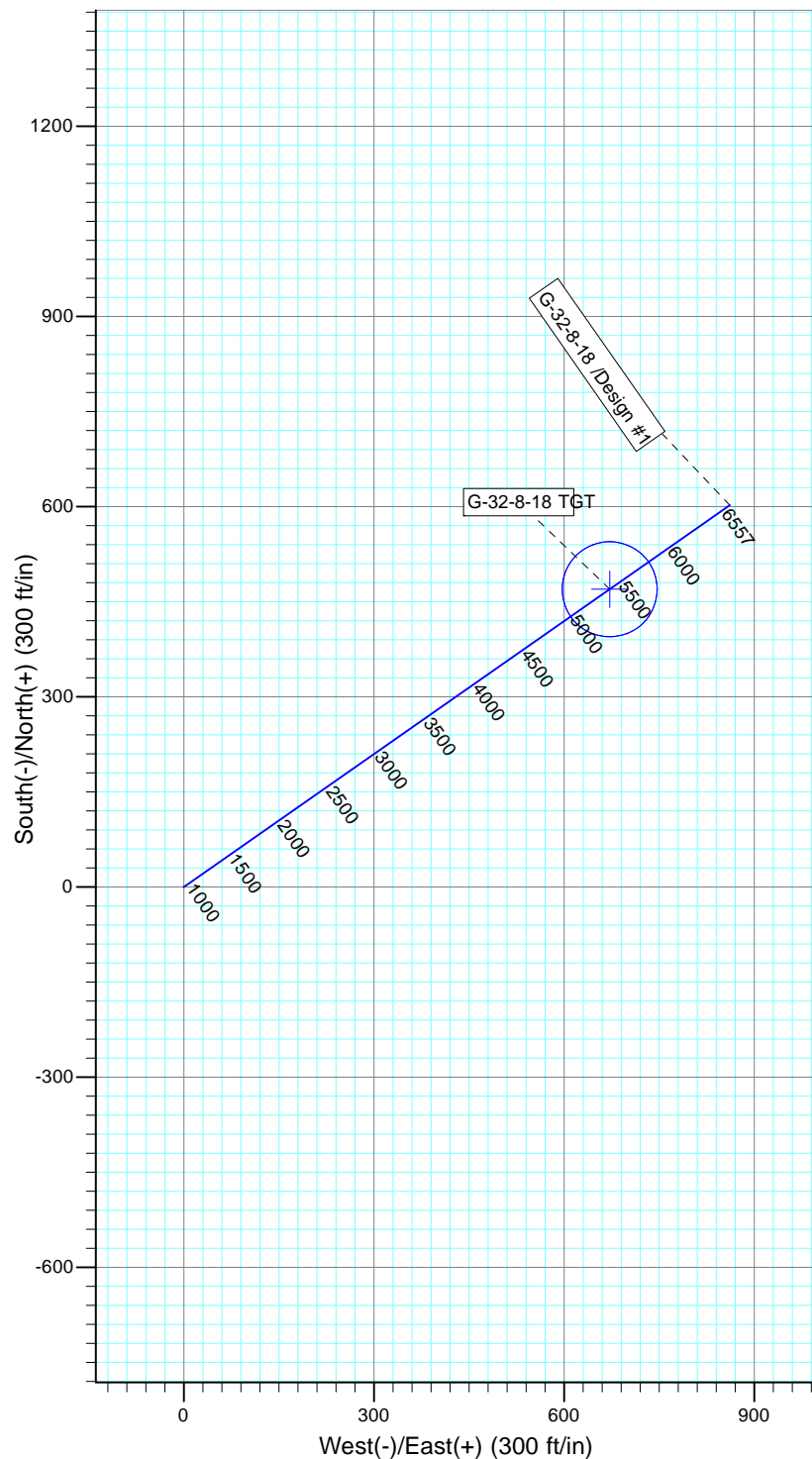
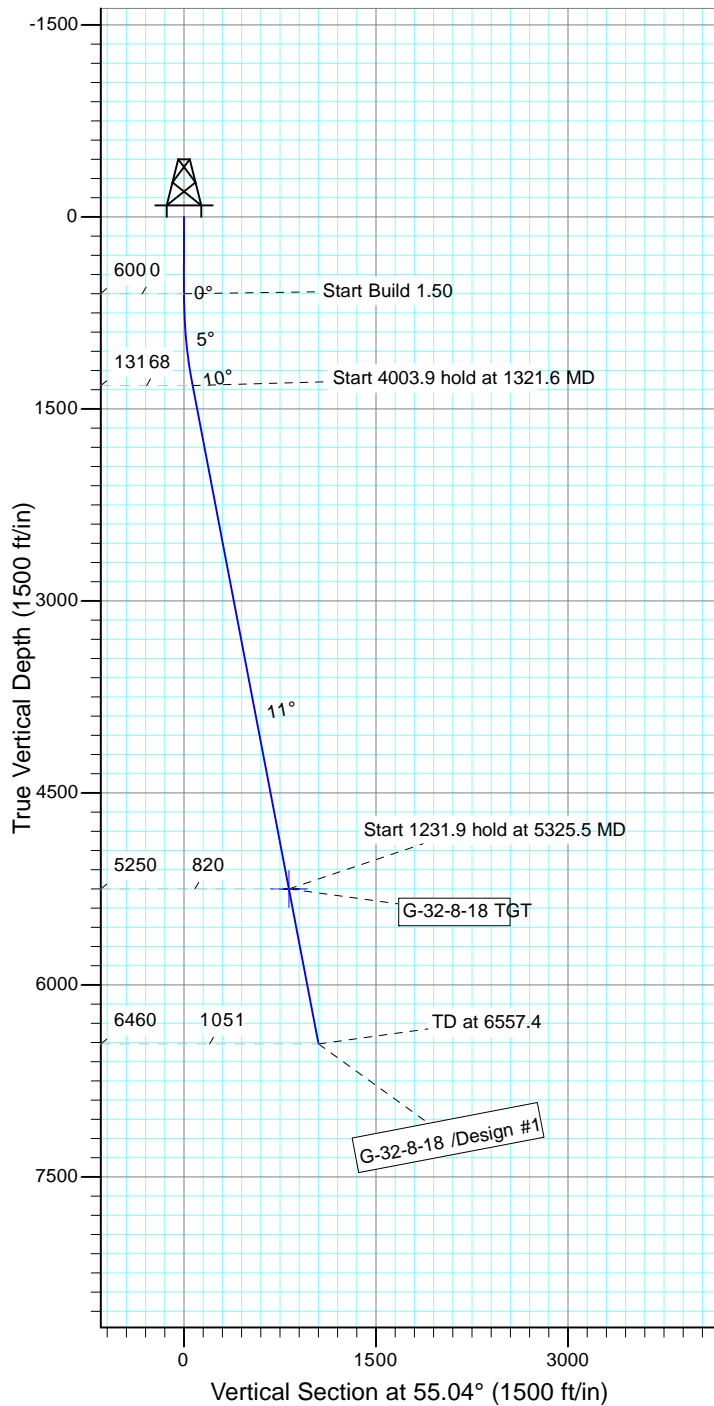
Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8, R18  
 Well: G-32-8-18  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.25°

Magnetic Field  
 Strength: 52301.2snT  
 Dip Angle: 65.85°  
 Date: 2011/07/21  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



## WELLBORE TARGET DETAILS

| Name          | TVD    | +N/-S | +E/-W | Shape                 |
|---------------|--------|-------|-------|-----------------------|
| G-32-8-18 TGT | 5250.0 | 469.8 | 671.9 | Circle (Radius: 75.0) |

## SECTION DETAILS

| Sec | MD     | Inc   | Azi   | TVD    | +N/-S | +E/-W | DLeg | TFace | VSec   | Target        |
|-----|--------|-------|-------|--------|-------|-------|------|-------|--------|---------------|
| 1   | 0.0    | 0.00  | 0.00  | 0.0    | 0.0   | 0.0   | 0.00 | 0.00  | 0.0    |               |
| 2   | 600.0  | 0.00  | 0.00  | 600.0  | 0.0   | 0.0   | 0.00 | 0.00  | 0.0    |               |
| 3   | 1321.6 | 10.82 | 55.04 | 1317.3 | 38.9  | 55.7  | 1.50 | 55.04 | 68.0   |               |
| 4   | 5325.5 | 10.82 | 55.04 | 5250.0 | 469.8 | 671.9 | 0.00 | 0.00  | 819.8  | G-32-8-18 TGT |
| 5   | 6557.4 | 10.82 | 55.04 | 6460.0 | 602.3 | 861.5 | 0.00 | 0.00  | 1051.2 |               |



**NEWFIELD PRODUCTION COMPANY  
GMBU G-32-8-18  
AT SURFACE: SW/NW SECTION 32, T8S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU G-32-8-18 located in the SW 1/4 NW 1/4 Section 32, T8S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 5.6 miles  $\pm$  to it's junction with an existing road to the northeast; proceed in a northeasterly direction - 0.3 miles  $\pm$  to the existing 5-32-8-18 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 5-32-8-18 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #01-177, 11/14/01. Paleontological Resource Survey prepared by, Wade Miller, 8/11/11. See attached report cover pages, Exhibit "D".

### **Surface Flow Line**

Newfield requests 1,422' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

**Clearing and Grading:** No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

**Installation:** The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

**Termination and Final Reclamation:** After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU G-32-8-18, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU G-32-8-18, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-32-8-18, Section 32, Township 8S, Range 18E: Lease ML-22058 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

\_\_\_\_\_  
8/16/11  
Date

\_\_\_\_\_  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

## 2-M SYSTEM

## Blowout Prevention Equipment Systems

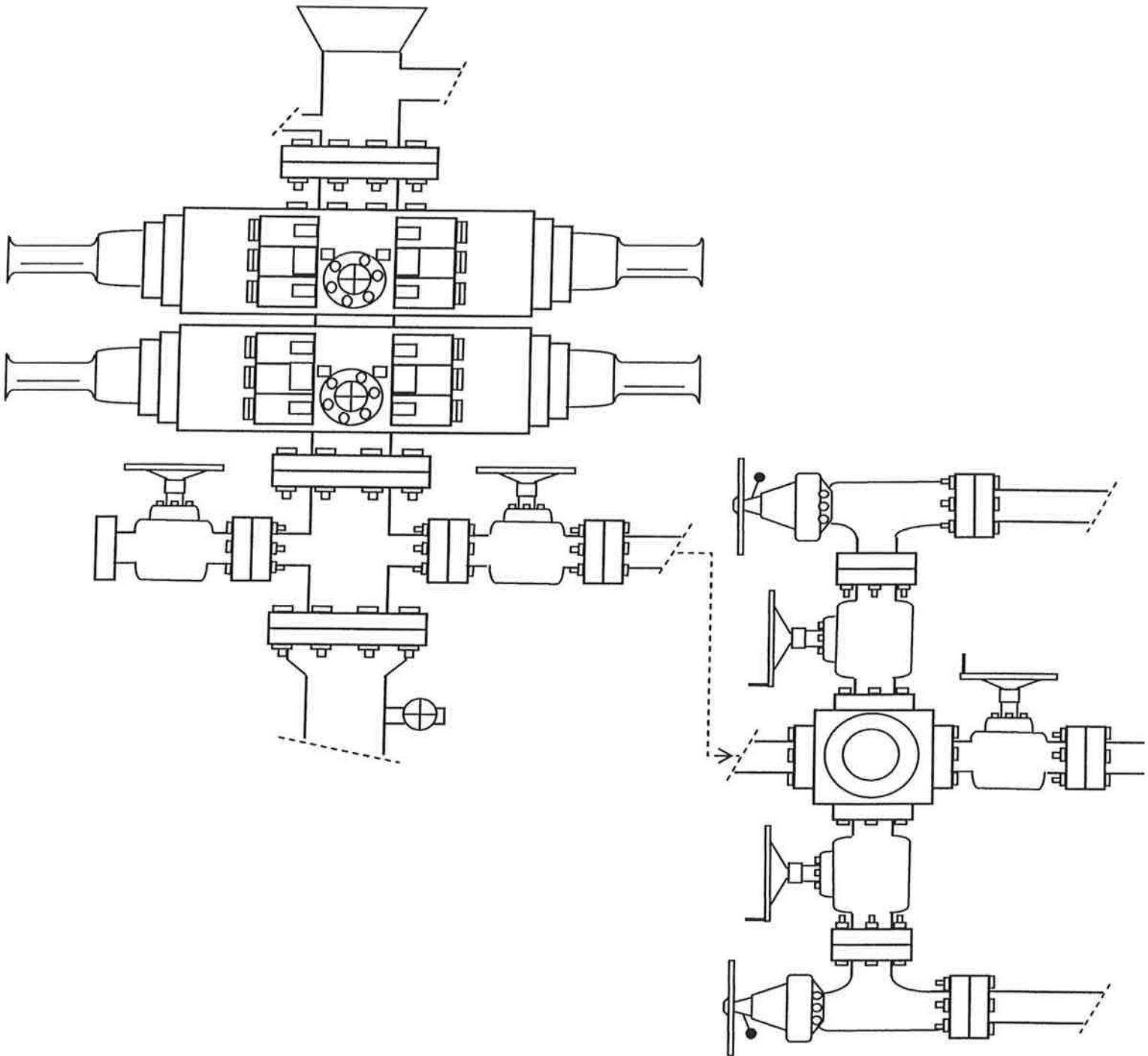


EXHIBIT C

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

5-32-8-18 (Existing Well)

G-32-8-18 (Proposed Well)

N-32-8-18 (Proposed Well)

Pad Location: SWNW Section 32, T8S, R18E, S.L.B.&M.



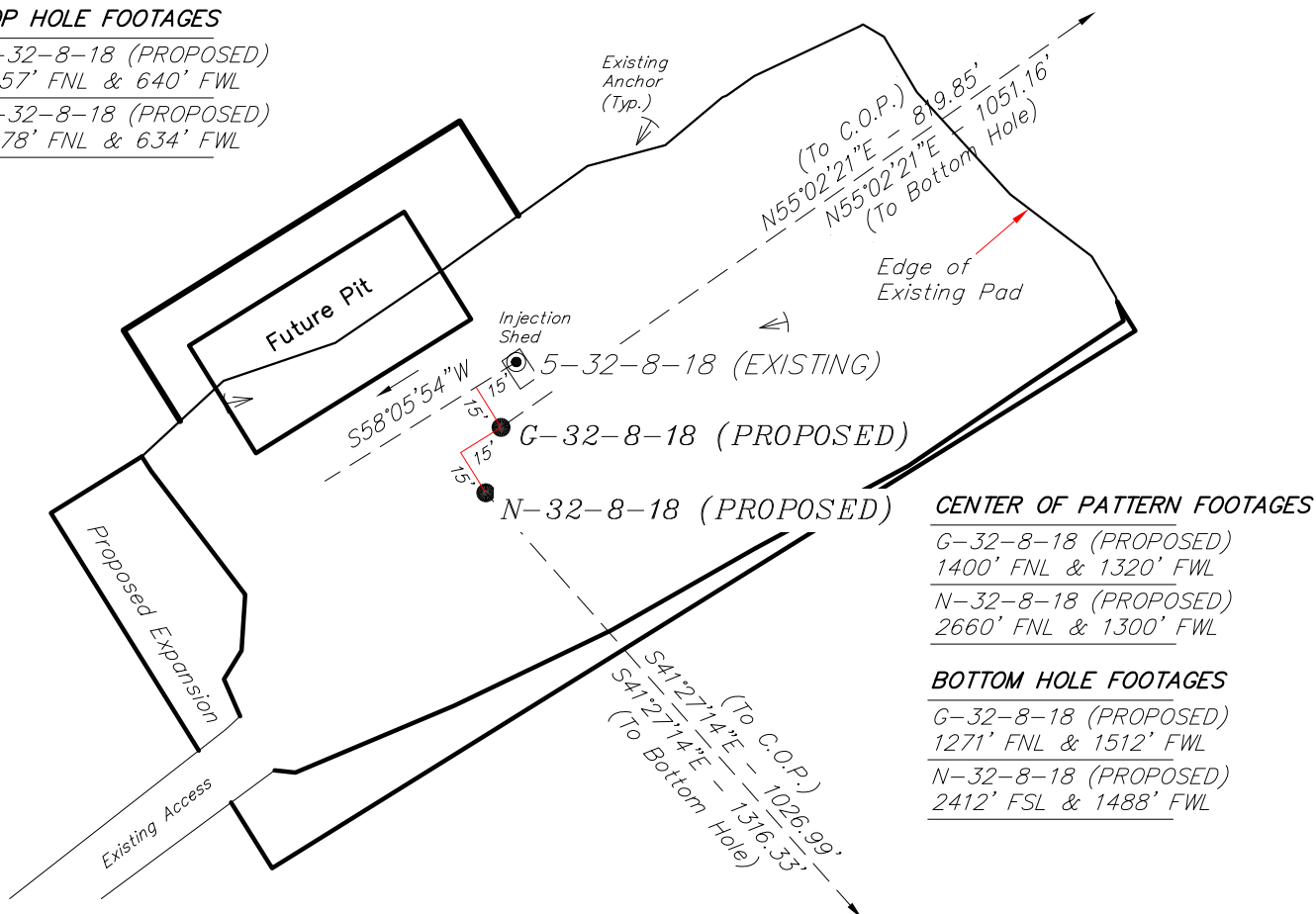
### TOP HOLE FOOTAGES

G-32-8-18 (PROPOSED)

1857' FNL & 640' FWL

N-32-8-18 (PROPOSED)

1878' FNL & 634' FWL



### CENTER OF PATTERN FOOTAGES

G-32-8-18 (PROPOSED)

1400' FNL & 1320' FWL

N-32-8-18 (PROPOSED)

2660' FNL & 1300' FWL

### BOTTOM HOLE FOOTAGES

G-32-8-18 (PROPOSED)

1271' FNL & 1512' FWL

N-32-8-18 (PROPOSED)

2412' FSL & 1488' FWL

### RELATIVE COORDINATES From Top Hole to C.O.P.

| WELL      | NORTH | EAST |
|-----------|-------|------|
| G-32-8-18 | 470'  | 672' |
| N-32-8-18 | -770  | 680' |

### RELATIVE COORDINATES From Top Hole to Bottom Hole

| WELL      | NORTH | EAST |
|-----------|-------|------|
| G-32-8-18 | 602'  | 862' |
| N-32-8-18 | -987' | 871' |

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

| WELL      | LATITUDE       | LONGITUDE       |
|-----------|----------------|-----------------|
| 5-32-8-18 | 40° 04' 35.94" | 109° 55' 28.28" |
| G-32-8-18 | 40° 04' 35.74" | 109° 55' 28.34" |
| N-32-8-18 | 40° 04' 35.53" | 109° 55' 28.41" |

SURVEYED BY: S.H. DATE SURVEYED: 06-24-11 VERSION:  
 DRAWN BY: M.W. DATE DRAWN: 07-22-11  
 SCALE: 1" = 60' REVISED: V1

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED: August 16, 2011**

**RECEIVED: August 16, 2011**

# NEWFIELD EXPLORATION COMPANY

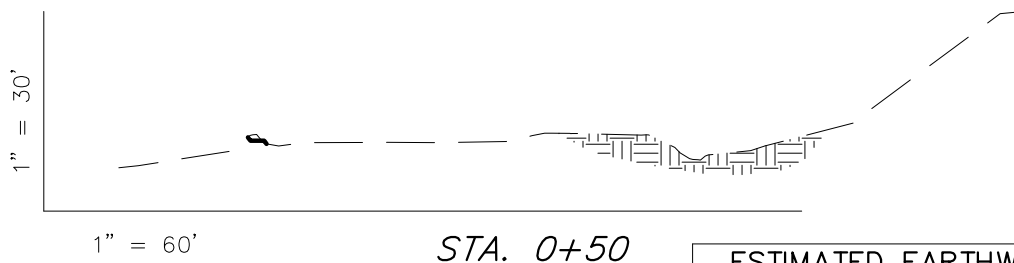
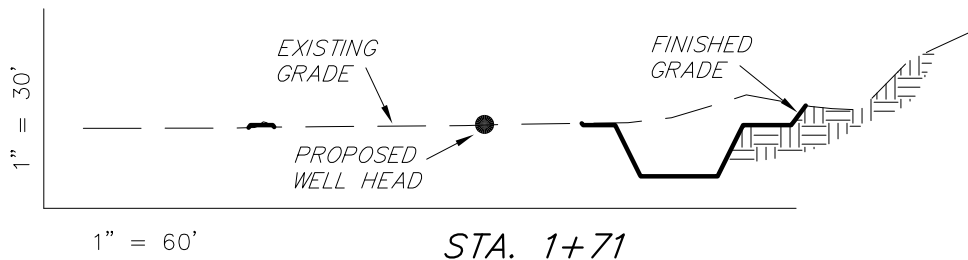
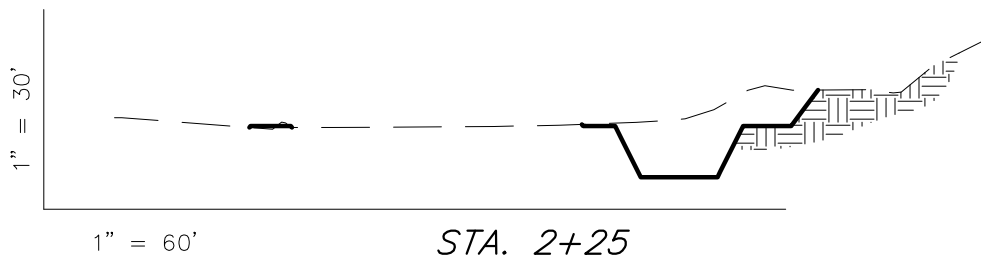
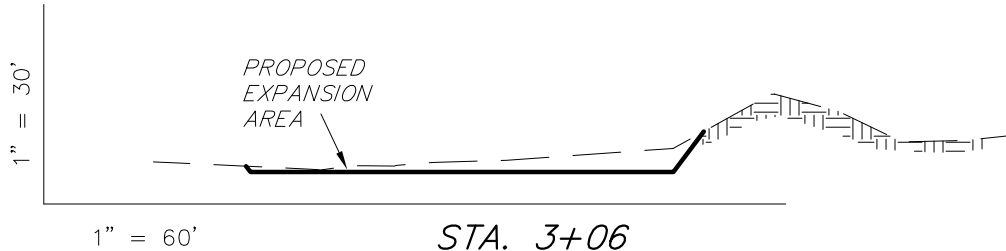
## CROSS SECTIONS

5-32-8-18 (Existing Well)

G-32-8-18 (Proposed Well)

N-32-8-18 (Proposed Well)

Pad Location: SWNW Section 32, T8S, R18E, S.L.B.&M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM   | CUT   | FILL | 6" TOPSOIL                               | EXCESS |
|--------|-------|------|------------------------------------------|--------|
| PAD    | 900   | 10   | Topsoil is<br>not included<br>in Pad Cut | 890    |
| PIT    | 690   | 0    |                                          | 690    |
| TOTALS | 1,590 | 10   | 390                                      | 1,580  |







































|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: S.H. | DATE SURVEYED: 06-24-11 | VERSION: |
| DRAWN BY: M.W.    | DATE DRAWN: 07-22-11    | V1       |
| SCALE: 1" = 60'   | REVISED:                |          |

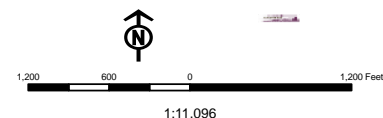
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

**RECEIVED: August 16, 2011**

**RECEIVED: August 16, 2011**

Map Produced by Diana Mason

| Units                                                                                             | Wells Query                                                                                                            |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>STATUS</b>                                                                                     | <b>Status</b>                                                                                                          |
|  ACTIVE        |  APD - Approved Permit              |
|  EXPLORATORY   |  DRL - Spudded (Drilling Commenced) |
|  GAS STORAGE   |  GW - Gas Injection                 |
|  NF PP OIL     |  GS - Gas Storage                   |
|  NF SECONDARY  |  LA - Location Abandoned            |
|  PI OIL        |  LOC - New Location                 |
|  PP GAS        |  OPS - Operation Suspended          |
|  PP GEOTHERMAL |  PA - Plugged Abandoned             |
|  PP OIL        |  PG - Producing Gas Well            |
|  SECONDARY     |  POW - Producing Oil Well           |
|  TERMINATED    |  RET - Retained APD                 |
| <b>Fields</b>                                                                                     |  SGW - Shut-in Gas Well             |
| <b>STATUS</b>                                                                                     |  SOW - Shut-in Oil Well             |
|  Unknown       |  TA - Temp. Abandoned               |
|  ABANDONED     |  TW - Temp. Well                    |
|  ACTIVE        |  WDW - Water Disposal               |
|  COMBINED      |  WIW - Water Injection Well         |
|  INACTIVE      |  WSW - Water Supply Well            |
|  STORAGE       |                                                                                                                        |
|  TERMINATED    |                                                                                                                        |
|  Sections      |                                                                                                                        |
|  Township      |                                                                                                                        |



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

August 19, 2011

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

| API# | WELL NAME | LOCATION |
|------|-----------|----------|
|------|-----------|----------|

(Proposed PZ GREEN RIVER)

|              |                |                                    |
|--------------|----------------|------------------------------------|
| 43-047-51877 | GMBU I-32-8-18 | Sec 32 T08S R18E 0664 FNL 1838 FEL |
|              | BHL            | Sec 32 T08S R18E 1606 FNL 0944 FEL |
| 43-047-51878 | GMBU H-32-8-18 | Sec 32 T08S R18E 0685 FNL 1835 FEL |
|              | BHL            | Sec 32 T08S R18E 1598 FNL 2618 FWL |
| 43-047-51879 | GMBU L-32-8-18 | Sec 32 T08S R18E 1938 FNL 1813 FEL |
|              | BHL            | Sec 32 T08S R18E 2293 FSL 1011 FEL |
| 43-047-51880 | GMBU R-32-8-18 | Sec 32 T08S R18E 0561 FSL 2149 FEL |
|              | BHL            | Sec 32 T08S R18E 1277 FSL 2297 FWL |
| 43-047-51881 | GMBU M-32-8-18 | Sec 32 T08S R18E 1957 FNL 1823 FEL |
|              | BHL            | Sec 32 T08S R18E 2397 FSL 2624 FWL |
| 43-047-51882 | GMBU G-32-8-18 | Sec 32 T08S R18E 1857 FNL 0640 FWL |
|              | BHL            | Sec 32 T08S R18E 1271 FNL 1512 FWL |
| 43-047-51883 | GMBU N-32-8-18 | Sec 32 T08S R18E 1878 FNL 0634 FWL |
|              | BHL            | Sec 32 T08S R18E 2412 FSL 1488 FWL |

**RECEIVED: August 22, 2011**

| API # | WELL NAME | LOCATION |
|-------|-----------|----------|
|-------|-----------|----------|

(Proposed PZ GREEN RIVER)

|              |                |                                    |
|--------------|----------------|------------------------------------|
| 43-047-51884 | GMBU S-32-8-18 | Sec 32 T08S R18E 0566 FSL 2128 FEL |
|              | BHL            | Sec 32 T08S R18E 1233 FSL 1069 FEL |

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.08.19 09:57:42 -06'00'

bcc: File - Greater Monument Butte Unit

Division of Oil Gas and Mining

Central Files

Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:8-19-11

**RECEIVED: August 22, 2011**

**From:** Jim Davis  
**To:** Hill, Brad; Mason, Diana  
**CC:** Bonner, Ed; Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield...  
**Date:** 9/20/2011 3:45 PM  
**Subject:** Newfield APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

4304751877 GMBU I-32-8-18  
4304751878 GMBU H-32-8-18  
4304751879 GMBU L-32-8-18  
4304751880 GMBU R-32-8-18  
4304751881 GMBU M-32-8-18  
4304751882 GMBU G-32-8-18  
4304751883 GMBU N-32-8-18  
4304751884 GMBU S-32-8-18  
4301350898 GMBU 1-2-9-15H  
4301350906 GMBU R-2-9-15  
4301350907 GMBU L-2-9-15  
4301350908 GMBU H-2-9-15  
4301350909 GMBU M-2-9-15  
4301350910 GMBU N-2-9-15  
4301350911 GMBU Q-2-9-15

Thanks.

-Jim

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

|                                          |                                                 |       |  |  |
|------------------------------------------|-------------------------------------------------|-------|--|--|
| Well Name                                | NEWFIELD PRODUCTION COMPANY GMBU G-32-8-18 4304 |       |  |  |
| String                                   | SURF                                            | PROD  |  |  |
| Casing Size(in)                          | 8.625                                           | 5.500 |  |  |
| Setting Depth (TVD)                      | 300                                             | 6460  |  |  |
| Previous Shoe Setting Depth (TVD)        | 0                                               | 300   |  |  |
| Max Mud Weight (ppg)                     | 8.3                                             | 8.4   |  |  |
| BOPE Proposed (psi)                      | 500                                             | 2000  |  |  |
| Casing Internal Yield (psi)              | 2950                                            | 4810  |  |  |
| Operators Max Anticipated Pressure (psi) | 2797                                            | 8.3   |  |  |

|                                               |                                                    |       |                                                         |
|-----------------------------------------------|----------------------------------------------------|-------|---------------------------------------------------------|
| Calculations                                  | SURF String                                        | 8.625 | "                                                       |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 129   |                                                         |
|                                               |                                                    |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 93    | YES air drill                                           |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 63    | YES OK                                                  |
|                                               |                                                    |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 63    | NO                                                      |
| Required Casing/BOPE Test Pressure=           |                                                    | 300   | psi                                                     |
| *Max Pressure Allowed @ Previous Casing Shoe= |                                                    | 0     | psi *Assumes 1psi/ft frac gradient                      |

|                                               |                                                    |       |                                                         |
|-----------------------------------------------|----------------------------------------------------|-------|---------------------------------------------------------|
| Calculations                                  | PROD String                                        | 5.500 | "                                                       |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 2822  |                                                         |
|                                               |                                                    |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 2047  | NO                                                      |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 1401  | YES OK                                                  |
|                                               |                                                    |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 1467  | NO Reasonable for area                                  |
| Required Casing/BOPE Test Pressure=           |                                                    | 2000  | psi                                                     |
| *Max Pressure Allowed @ Previous Casing Shoe= |                                                    | 300   | psi *Assumes 1psi/ft frac gradient                      |

|                                               |                                                    |  |                                                         |
|-----------------------------------------------|----------------------------------------------------|--|---------------------------------------------------------|
| Calculations                                  | String                                             |  | "                                                       |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             |  |                                                         |
|                                               |                                                    |  | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      |  | NO                                                      |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      |  | NO                                                      |
|                                               |                                                    |  | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= |  | NO                                                      |
| Required Casing/BOPE Test Pressure=           |                                                    |  | psi                                                     |
| *Max Pressure Allowed @ Previous Casing Shoe= |                                                    |  | psi *Assumes 1psi/ft frac gradient                      |

|                                     |                                                    |  |                                                         |
|-------------------------------------|----------------------------------------------------|--|---------------------------------------------------------|
| Calculations                        | String                                             |  | "                                                       |
| Max BHP (psi)                       | .052*Setting Depth*MW=                             |  |                                                         |
|                                     |                                                    |  | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                    | Max BHP-(0.12*Setting Depth)=                      |  | NO                                                      |
| MASP (Gas/Mud) (psi)                | Max BHP-(0.22*Setting Depth)=                      |  | NO                                                      |
|                                     |                                                    |  | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe           | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= |  | NO                                                      |
| Required Casing/BOPE Test Pressure= |                                                    |  | psi                                                     |

API Well Number: 43047518820000

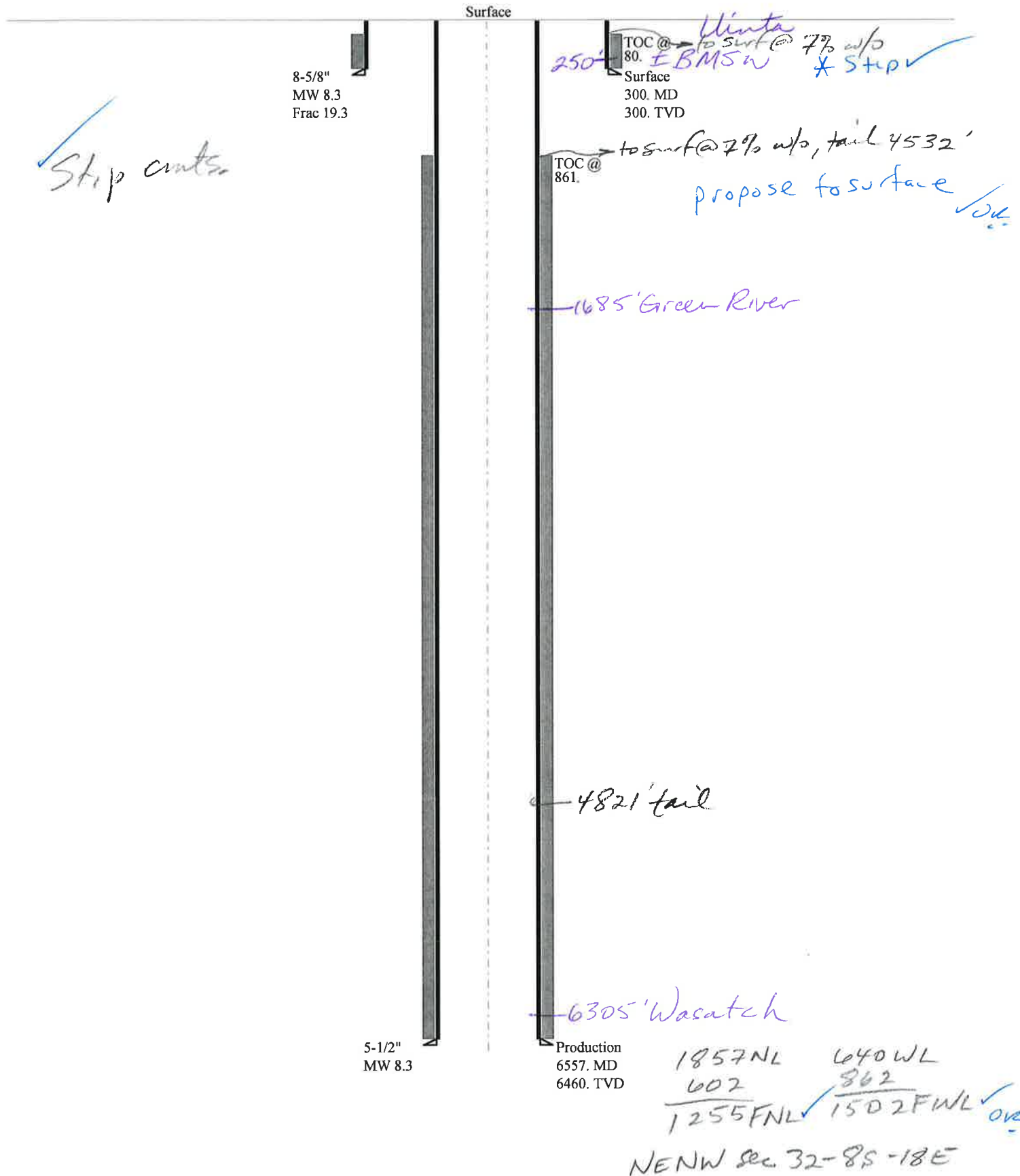
\*Max Pressure Allowed @ Previous Casing Shoe=

psi \*Assumes 1psi/ft frac gradient

**RECEIVED:** November 07, 2011

# 43047518820000 GMBU G-32-8-18

## Casing Schematic



|              |                                      |             |              |
|--------------|--------------------------------------|-------------|--------------|
| Well name:   | <b>43047518820000 GMBU G-32-8-18</b> |             |              |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>   |             |              |
| String type: | Surface                              | Project ID: | 43-047-51882 |
| Location:    | UINTAH COUNTY                        |             |              |

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 78 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 80 ft

**Burst**

Max anticipated surface pressure: 264 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 300 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 262 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 6,460 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,819 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure: 300 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 300                 | 8.625                   | 24.00                   | J-55             | ST&C                 | 300                  | 300                 | 7.972                   | 1544                  |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 130                 | 1370                    | 10.557                  | 300              | 2950                 | 9.83                 | 7.2                 | 244                     | 33.90 J               |

Prepared Steven Schiess  
by: Div of Oil, Gas & Mining

Phone: 801 538-7462  
FAX: 801-359-3940

Date: October 28, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

|              |                                      |             |              |
|--------------|--------------------------------------|-------------|--------------|
| Well name:   | <b>43047518820000 GMBU G-32-8-18</b> |             |              |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>   |             |              |
| String type: | Production                           | Project ID: | 43-047-51882 |
| Location:    | UINTAH                               | COUNTY      |              |

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 164 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 861 ft

**Burst**

Max anticipated surface pressure: 1,374 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,795 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Directional Info - Build & Hold**

Kick-off point 600 ft  
Departure at shoe: 1051 ft  
Maximum dogleg: 1.5 °/100ft  
Inclination at shoe: 10.82 °

Tension is based on air weight.

Neutral point: 5,728 ft

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 6557                | 5.5                     | 15.50                   | J-55             | LT&C                 | 6460                 | 6557                | 4.825                   | 23153                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 2795                | 4040                    | 1.445                   | 2795             | 4810                 | 1.72                 | 100.1               | 217                     | 2.17 J                |

Prepared Steven Schiess  
by: Div of Oil, Gas & Mining

Phone: 801 538-7462  
FAX: 801-359-3940

Date: October 28, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6460 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*



*VIA ELECTRONIC DELIVERY*

November 8, 2011

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**GMBU G-32-8-18**  
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R18E Section 32: SWNW (ML-22058)  
1857' FNL 640' FWL

At Target: T8S-R18E Section 32: NENW (ML-22058)  
1271' FNL 1512' FWL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company ("NPC") of an Application for Permit to Drill the above referenced well dated 8/16/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at [pburns@newfield.com](mailto:pburns@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "PB", followed by a horizontal line.

Peter Burns  
Land Associate

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING


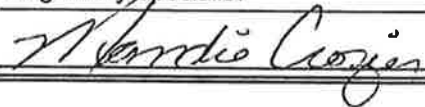
FORM 3

 AMENDED REPORT ☐  
(highlight changes)

| APPLICATION FOR PERMIT TO DRILL                                                                                                                                                          |  |                                                        |                                 | 5. MINERAL LEASE NO:<br>ML-22058                                   | 6. SURFACE:<br>State |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|---------------------------------|--------------------------------------------------------------------|----------------------|
| 1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>                                                             |  |                                                        |                                 | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA                        |                      |
| B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  |                                                        |                                 | 8. UNIT or CA AGREEMENT NAME:<br>Greater Monument Butte            |                      |
| 2. NAME OF OPERATOR:<br>Newfield Production Company                                                                                                                                      |  |                                                        |                                 | 9. WELL NAME and NUMBER:<br>GMBU G-32-8-18                         |                      |
| 3. ADDRESS OF OPERATOR:<br>Route #3 Box 3630 CITY Myton STATE UT ZIP 84052                                                                                                               |  |                                                        | PHONE NUMBER:<br>(435) 646-3721 | 10. FIELD AND POOL, OR WILDCAT:<br>Monument Butte                  |                      |
| 4. LOCATION OF WELL (FOOTAGES)<br><br>AT SURFACE: SW/NW 1857' FNL 640' FWL Sec. 32 T8S R18E<br>AT PROPOSED PRODUCING ZONE: NE/NW 1271' FNL 1512' FWL Sec. 32 T8S R18E                    |  |                                                        |                                 | 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>SWNW 32 8S 18E |                      |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:<br>Approximately 19.0 miles southeast of Myton, Utah                                                               |  |                                                        |                                 | 12. COUNTY:<br>Uintah                                              | 13. STATE:<br>UTAH   |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)<br>Approx. 1271' f/lse line, NA' f/unit line                                                                                       |  | 16. NUMBER OF ACRES IN LEASE:<br>640.00 acres          |                                 | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL:<br>20 acres             |                      |
| 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)<br>Approx. 945'                                                                                  |  | 19. PROPOSED DEPTH:<br>6,557                           |                                 | 20. BOND DESCRIPTION:<br>#B001834                                  |                      |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):<br>5017' GL                                                                                                                              |  | 22. APPROXIMATE DATE WORK WILL START:<br>4th Qtr. 2011 |                                 | 23. ESTIMATED DURATION:<br>(15) days from SPUD to rig release      |                      |

| 24. PROPOSED CASING AND CEMENTING PROGRAM |                                         |      |      |               |                                                 |            |           |
|-------------------------------------------|-----------------------------------------|------|------|---------------|-------------------------------------------------|------------|-----------|
| SIZE OF HOLE                              | CASING SIZE, GRADE, AND WEIGHT PER FOOT |      |      | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT |            |           |
| 12 1/4                                    | 8 5/8                                   | J-55 | 24.0 | 300           | Class G w/2% CaCl                               | 138 sx +/- | 1.17 15.8 |
| 7 7/8                                     | 5 1/2                                   | J-55 | 15.5 | 6,557         | Lead(Prem Lite II)                              | 315 sx +/- | 3.26 11.0 |
|                                           |                                         |      |      |               | Tail (50/50 Poz)                                | 363 sx +/- | 1.24 14.3 |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |

| 25. ATTACHMENTS                                                                                                                                                                                          |                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:                                                                                                    |                                                                                                                                                                |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER<br><br><input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN<br><br><input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

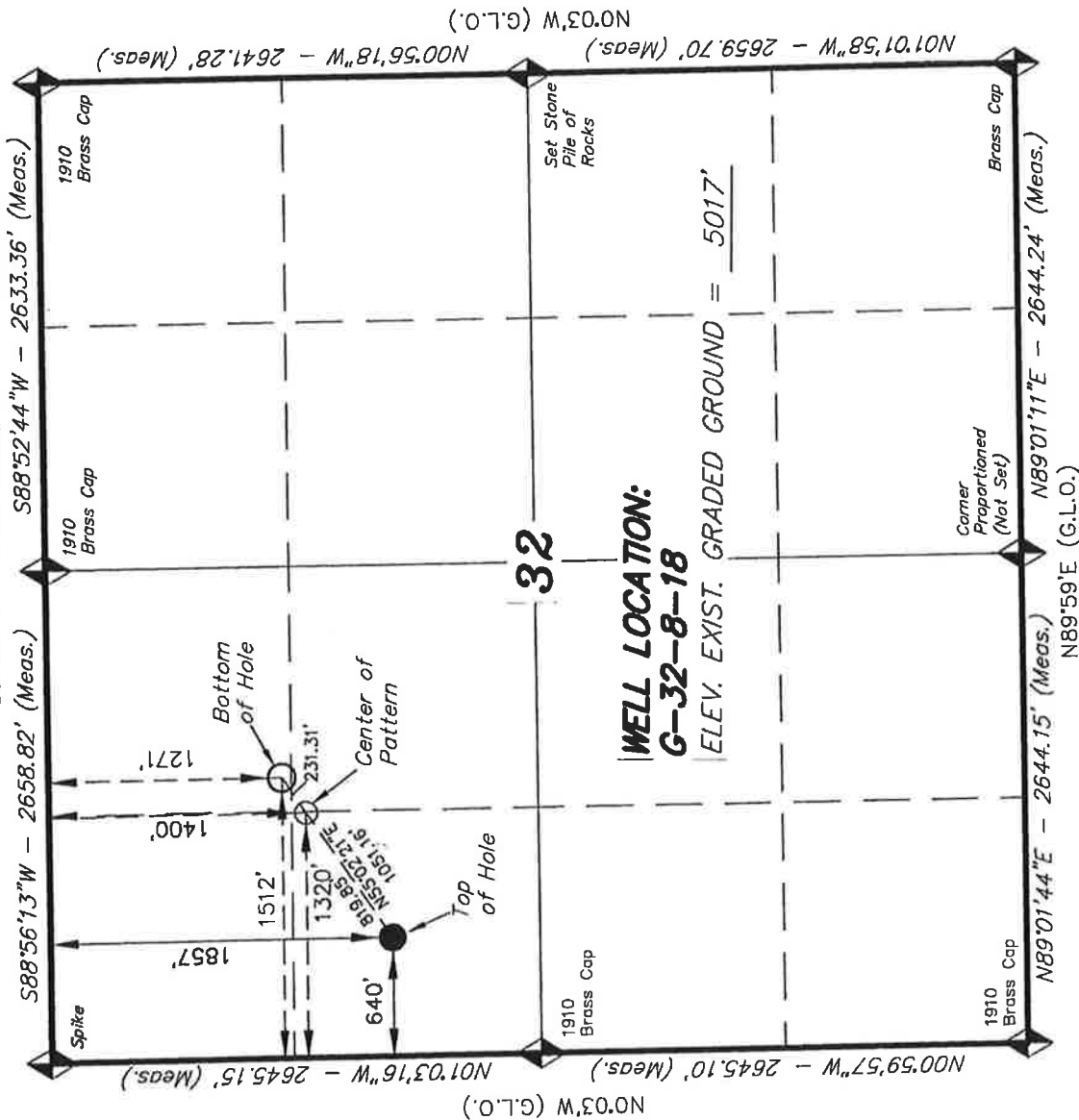
|                                                                                                      |                                                                                                  |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| NAME (PLEASE PRINT) <u>Mandie Crozier</u>                                                            | TITLE <u>Regulatory Specialist</u>                                                               |
| SIGNATURE <u></u> | DATE <u></u> |

(This space for State use only)

API NUMBER ASSIGNED: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

S89°56'W - 79.96 G.L.O.



 = SECTION CORNERS LOCATED

BASIS OF ELEV: Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

G-32-8-18  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 35.74"  
LONGITUDE = 109° 55' 28.34"

**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, G-32-8-18, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 32, T8S, R18E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, G-32-8-18,  
LOCATED AS SHOWN IN THE NE 1/4 NW  
1/4 OF SECTION 32, T8S, R18E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION, THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF. 189377

07-27-11

STACY W.

STEWART



1. 1

OF

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED:  
06-24-11

SURVEYED BY: S.H.

**VERSION:**

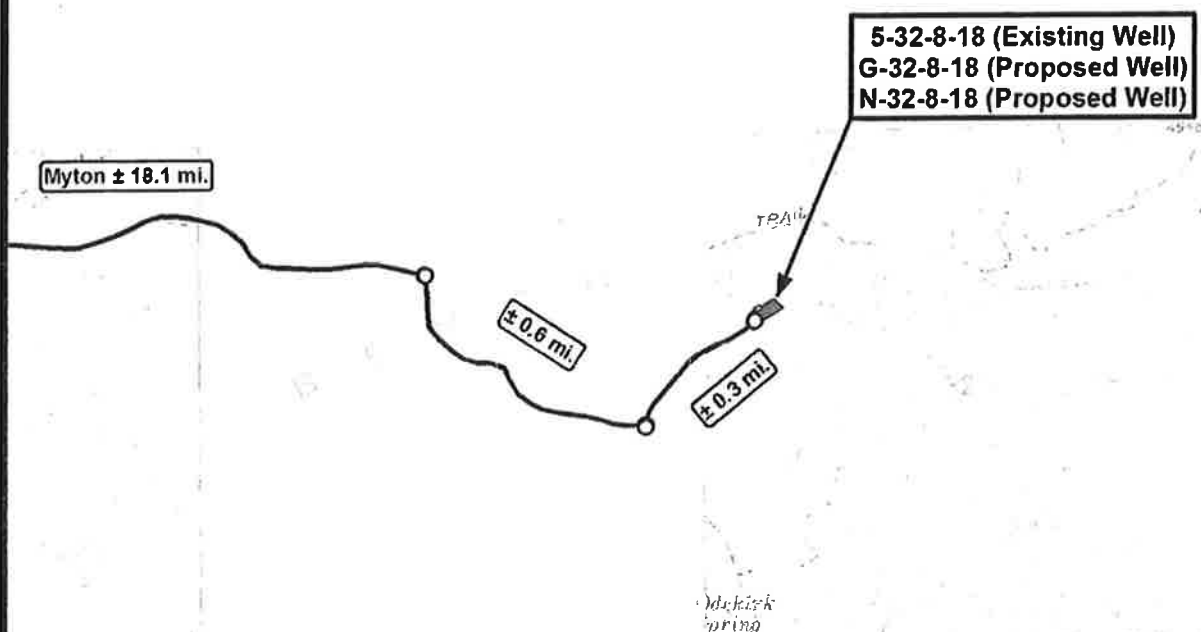
DATE DRAWN:  
07-22-11

DRAWN BY: M.W.

SCALE: 1" = 1000'

7

# Access Road Map



## Legend

— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)  
SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 08-04-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

**TOPOGRAPHIC MAP**

SHEET  
**B**



*VIA ELECTRONIC DELIVERY*

November 8, 2011

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**GMBU G-32-8-18**  
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R18E Section 32: SWNW (ML-22058)  
1857' FNL 640' FWL

At Target: T8S-R18E Section 32: NENW (ML-22058)  
1271' FNL 1512' FWL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company ("NPC") of an Application for Permit to Drill the above referenced well dated 8/16/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at [pburns@newfield.com](mailto:pburns@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "PB", followed by a horizontal line.

Peter Burns  
Land Associate

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

 AMENDED REPORT ☐  
(highlight changes)

| APPLICATION FOR PERMIT TO DRILL                                                                                                                                                          |  |                                                        |                                 | 5. MINERAL LEASE NO:<br>ML-22058                                   | 6. SURFACE:<br>State |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|---------------------------------|--------------------------------------------------------------------|----------------------|
| 1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>                                                             |  |                                                        |                                 | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA                        |                      |
| B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  |                                                        |                                 | 8. UNIT or CA AGREEMENT NAME:<br>Greater Monument Butte            |                      |
| 2. NAME OF OPERATOR:<br>Newfield Production Company                                                                                                                                      |  |                                                        |                                 | 9. WELL NAME and NUMBER:<br>GMBU G-32-8-18                         |                      |
| 3. ADDRESS OF OPERATOR:<br>Route #3 Box 3630 CITY Myton STATE UT ZIP 84052                                                                                                               |  |                                                        | PHONE NUMBER:<br>(435) 646-3721 | 10. FIELD AND POOL, OR WILDCAT:<br>Monument Butte                  |                      |
| 4. LOCATION OF WELL (FOOTAGES)<br><br>AT SURFACE: SW/NW 1857' FNL 640' FWL Sec. 32 T8S R18E<br>AT PROPOSED PRODUCING ZONE: NE/NW 1271' FNL 1512' FWL Sec. 32 T8S R18E                    |  |                                                        |                                 | 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>SWNW 32 8S 18E |                      |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:<br>Approximately 19.0 miles southeast of Myton, Utah                                                               |  |                                                        |                                 | 12. COUNTY:<br>Uintah                                              | 13. STATE:<br>UTAH   |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)<br>Approx. 1271' f/lse line, NA' f/unit line                                                                                       |  | 16. NUMBER OF ACRES IN LEASE:<br>640.00 acres          |                                 | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL:<br>20 acres             |                      |
| 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)<br>Approx. 945'                                                                                  |  | 19. PROPOSED DEPTH:<br>6,557                           |                                 | 20. BOND DESCRIPTION:<br>#B001834                                  |                      |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):<br>5017' GL                                                                                                                              |  | 22. APPROXIMATE DATE WORK WILL START:<br>4th Qtr. 2011 |                                 | 23. ESTIMATED DURATION:<br>(15) days from SPUD to rig release      |                      |

| 24. PROPOSED CASING AND CEMENTING PROGRAM |                                         |      |      |               |                                                 |            |           |
|-------------------------------------------|-----------------------------------------|------|------|---------------|-------------------------------------------------|------------|-----------|
| SIZE OF HOLE                              | CASING SIZE, GRADE, AND WEIGHT PER FOOT |      |      | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT |            |           |
| 12 1/4                                    | 8 5/8                                   | J-55 | 24.0 | 300           | Class G w/2% CaCl                               | 138 sx +/- | 1.17 15.8 |
| 7 7/8                                     | 5 1/2                                   | J-55 | 15.5 | 6,557         | Lead(Prem Lite II)                              | 315 sx +/- | 3.26 11.0 |
|                                           |                                         |      |      |               | Tail (50/50 Poz)                                | 363 sx +/- | 1.24 14.3 |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |
|                                           |                                         |      |      |               |                                                 |            |           |

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

|                                                                                                    |                                                                                              |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE 8/16/11

(This space for State use only)

API NUMBER ASSIGNED: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

**T8S, R18E, S.L.B.&M.**

**NEWFIELD EXPLORATION COMPANY**

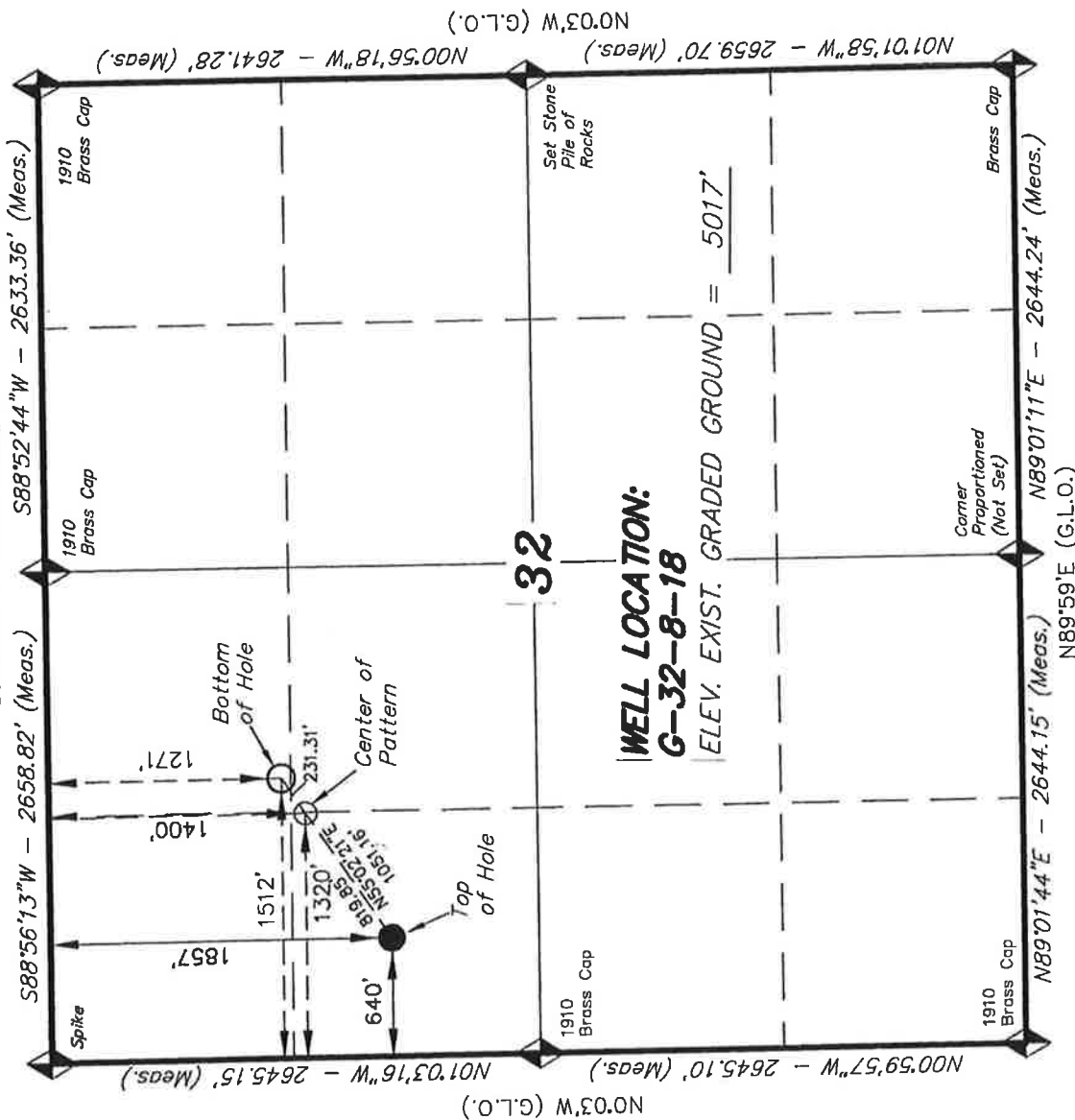
S89°56'W - 79.96 G.L.O.

S88°56'13"W - 2658.82' (Meas.)

S88°52'44"W - 2633.36' (Meas.)

WELL LOCATION, G-32-8-18, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 32, T8S, R18E, S1.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, G-32-8-18,  
LOCATED AS SHOWN IN THE NE 1/4 NW  
1/4 OF SECTION 32, T8S, R18E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



(0.79) M, 50.0N

(0.79) M, 50.0N

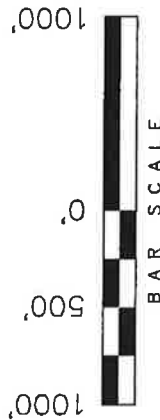
23

**WELL LOCATION:**  
**G-32-8-18**

ELEV. EXIST. GRADED GROUND = 5017'

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. 189377

07-27-11

STACY W.

STEWART

U.S. LAND SURVEY  
COMMISSION

**STANDARD**

10 31

\_\_\_\_\_

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

DATE SURVEYED:

|          |                   |
|----------|-------------------|
| 06-24-11 | SURVEYED BY: S.H. |
|----------|-------------------|

(Surface Location) NAD 83

LATITUDE = 40° 04' 35.74"

**LONGITUDE = 109° 55' 28.34<sup>R</sup>**

LAT 40°01'00 ES" LONG 110°00'13 28"

DISNEY D.T. M.W.

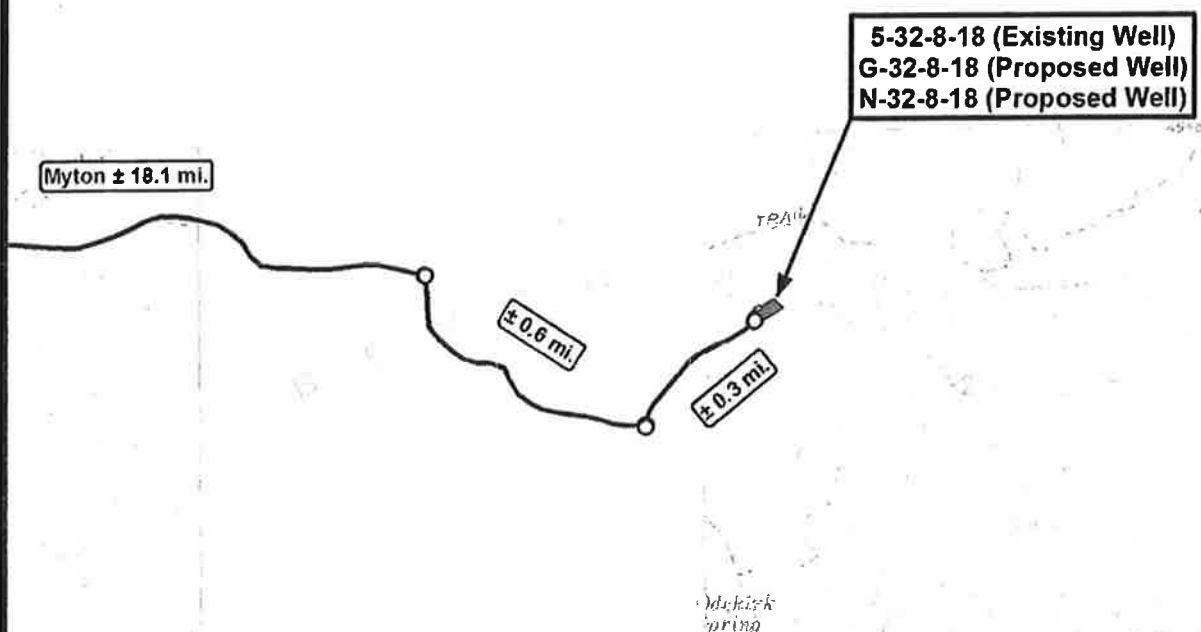
REVISU:

SCALE: 1" = 1000'

1

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

# Access Road Map



## Legend

— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

5-32-8-18 (Existing Well)  
G-32-8-18 (Proposed Well)  
N-32-8-18 (Proposed Well)  
SEC. 32, T8S, R18E, S.L.B.&M. Uintah County, UT.

|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 08-04-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

**TOPOGRAPHIC MAP**

SHEET  
**B**

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** GMBU G-32-8-18  
**API Number** 43047518820000      **APD No** 4462      **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4** SWNW      **Sec** 32      **Tw** 8.0S      **Rng** 18.0E      1857 FNL 640 FWL  
**GPS Coord (UTM)**      **Surface Owner**

### **Participants**

M. Jones (UDOGM), T. Eaton (Newfield).

### **Regional/Local Setting & Topography**

This proposed well is staked on an existing well location for the 5-32-8-18 well. A small additional pad disturbance on the west side is anticipated for the location. The old pit area will be utilized. The topography surrounding the location is rolling, gravelly, low sage hills. With dry wash drainages running in various directions throughout the area. The site is approximately 18 road miles southeast Myton, Utah.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Wildlife Habitat  
Existing Well Pad

| <b>New Road Miles</b> | <b>Well Pad</b>                    | <b>Src Const Material</b> | <b>Surface Formation</b> |
|-----------------------|------------------------------------|---------------------------|--------------------------|
| 0                     | <b>Width</b> 114 <b>Length</b> 306 | Onsite                    |                          |

#### **Ancillary Facilities**

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

existing well pad.

#### **Soil Type and Characteristics**

gravelly clay.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

maintain berms.

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N

**Reserve Pit****Site-Specific Factors****Site Ranking**

|                                          |                  |    |
|------------------------------------------|------------------|----|
| <b>Distance to Groundwater (feet)</b>    | >200             | 0  |
| <b>Distance to Surface Water (feet)</b>  | >1000            | 0  |
| <b>Dist. Nearest Municipal Well (ft)</b> | >5280            | 0  |
| <b>Distance to Other Wells (feet)</b>    |                  | 20 |
| <b>Native Soil Type</b>                  | Mod permeability | 10 |
| <b>Fluid Type</b>                        | Fresh Water      | 5  |
| <b>Drill Cuttings</b>                    | Normal Rock      | 0  |
| <b>Annual Precipitation (inches)</b>     |                  | 0  |
| <b>Affected Populations</b>              |                  |    |
| <b>Presence Nearby Utility Conduits</b>  | Not Present      | 0  |
| <b>Final Score</b>                       |                  | 35 |

Sensitivity Level

**Characteristics / Requirements**

Dugout earthen (80' x 40' x 8').

Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? N

**Other Observations / Comments**Mark Jones  
Evaluator8/31/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

11/8/2011

Utah Division of Oil, Gas and Mining

Page 1

|                  |                                                                    |               |                          |                   |            |
|------------------|--------------------------------------------------------------------|---------------|--------------------------|-------------------|------------|
| <b>APD No</b>    | <b>API WellNo</b>                                                  | <b>Status</b> | <b>Well Type</b>         | <b>Surf Owner</b> | <b>CBM</b> |
| 4462             | 43047518820000                                                     | LOCKED        | OW                       | S                 | No         |
| <b>Operator</b>  | NEWFIELD PRODUCTION COMPANY                                        |               | <b>Surface Owner-APD</b> |                   |            |
| <b>Well Name</b> | GMBU G-32-8-18                                                     |               | <b>Unit</b>              | GMBU (GRRV)       |            |
| <b>Field</b>     | MONUMENT BUTTE                                                     |               | <b>Type of Work</b>      | DRILL             |            |
| <b>Location</b>  | SWNW 32 8S 18E S 1857 FNL 640 FWL GPS Coord (UTM) 591696E 4436812N |               |                          |                   |            |

## Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 250'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be an interconnected, high volume source of useable ground water. The proposed surface casing should adequately protect useable ground water in this area.

Brad Hill  
APD Evaluator

9/27/2011  
Date / Time

## Surface Statement of Basis

This proposed well is staked on an existing well location for the 5-32-8-18 well. A small additional pad disturbance on the west side is anticipated for the location. The old pit area will be utilized. The topography surrounding the location is rolling, gravelly, low sage hills. With dry wash drainages running in various directions throughout the area. The site is approximately 18 road miles southeast Myton, Utah.

Mark Jones  
Onsite Evaluator

8/31/2011  
Date / Time

## Conditions of Approval / Application for Permit to Drill

|                 |                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Category</b> | <b>Condition</b>                                                                                                     |
| Pits            | A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit. |
| Surface         | The well site shall be bermed to prevent fluids from leaving the pad.                                                |
| Surface         | Drainages adjacent to the proposed pad shall be diverted around the location.                                        |
| Surface         | The reserve pit shall be fenced upon completion of drilling operations.                                              |

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 8/16/2011**API NO. ASSIGNED:** 43047518820000**WELL NAME:** GMBU G-32-8-18**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SWNW 32 080S 180E**Permit Tech Review:** ☒**SURFACE:** 1857 FNL 0640 FWL**Engineering Review:** ☒**BOTTOM:** 1271 FNL 1512 FWL**Geology Review:** ☒**COUNTY:** UINTAH**LATITUDE:** 40.07659**LONGITUDE:** -109.92458**UTM SURF EASTINGS:** 591696.00**NORTHINGS:** 4436812.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-22058**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- ☒ **PLAT**
- ☒ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

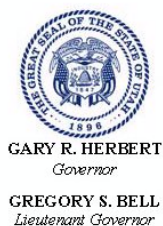
**Commingle Approved****LOCATION AND SITING:**

- ☐ **R649-2-3.**
- Unit:** GMBU (GRRV)
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 213-11
- Effective Date:** 11/30/2009
- Siting:** Suspends General Siting
- ☒ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
15 - Directional - dmason  
25 - Surface Casing - ddoucet  
27 - Other - bhill

**RECEIVED: November 08, 2011**



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU G-32-8-18  
**API Well Number:** 43047518820000  
**Lease Number:** ML-22058  
**Surface Owner:** STATE  
**Approval Date:** 11/8/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
– contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

## BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number GMBU G-32-8-18  
Qtr/Qtr SW/NW Section 32 Township 8S Range 18E  
Lease Serial Number ML-22058  
API Number 43-047-51882

Spud Notice – Spud is the initial spudding of the well, not drilling  
out below a casing string.

Date/Time 3/7/12 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing  
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 3/7/12 3:00 AM ☐ PM ☒

### BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

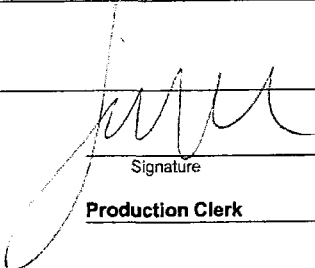
OPERATOR ACCT. NO. **N2695**

| ACTION CODE      | CURRENT ENTITY NO | NEW ENTITY NO | API NUMBER        | WELL NAME                      | WELL LOCATION |           |           |            |                 | SPUD DATE       | EFFECTIVE DATE |
|------------------|-------------------|---------------|-------------------|--------------------------------|---------------|-----------|-----------|------------|-----------------|-----------------|----------------|
|                  |                   |               |                   |                                | QQ            | SC        | TP        | RG         | COUNTY          |                 |                |
| <b>B</b>         | <b>99999</b>      | <b>17400</b>  | <b>4304751634</b> | <b>GMBU P-25-8-17</b>          | <b>SWSW</b>   | <b>25</b> | <b>8S</b> | <b>17E</b> | <b>DUCHESNE</b> | <b>3/6/2012</b> |                |
| WELL 1 COMMENTS: |                   |               |                   |                                |               |           |           |            |                 |                 |                |
| <b>B</b>         | <b>99999</b>      | <b>17400</b>  | <b>4301350744</b> | <b>GMBU D-2-9-16</b>           | <b>SESW</b>   | <b>2</b>  | <b>9S</b> | <b>16E</b> | <b>DUCHESNE</b> | <b>3/8/2012</b> |                |
|                  |                   |               |                   |                                |               |           |           |            |                 |                 |                |
| <b>B</b>         | <b>99999</b>      | <b>17400</b>  | <b>4304751882</b> | <b>GMBU G-32-8-18</b>          | <b>SWNW</b>   | <b>32</b> | <b>8S</b> | <b>18E</b> | <b>UINTAH</b>   | <b>3/7/2012</b> |                |
|                  |                   |               |                   |                                |               |           |           |            |                 |                 |                |
| <b>B</b>         | <b>99999</b>      | <b>17400</b>  | <b>4304751883</b> | <b>GMBU N-32-8-18</b>          | <b>SWNW</b>   | <b>32</b> | <b>8S</b> | <b>18E</b> | <b>UINTAH</b>   | <b>3/7/2012</b> |                |
|                  |                   |               |                   |                                |               |           |           |            |                 |                 |                |
| <b>A</b>         | <b>99999</b>      |               | <b>4301351130</b> | <b>STATE 4-19-3-2WH</b>        | <b>NWNW</b>   | <b>19</b> | <b>3S</b> | <b>2W</b>  | <b>DUCHESNE</b> | <b>3/5/2012</b> |                |
|                  |                   |               |                   |                                |               |           |           |            |                 |                 |                |
| <b>A</b>         | <b>99999</b>      |               | <b>4301351194</b> | <b>LAKE BOREHAM 4-36-3-3WH</b> | <b>NWNW</b>   | <b>36</b> | <b>3S</b> | <b>3W</b>  | <b>DUCHESNE</b> | <b>3/8/2012</b> |                |
|                  |                   |               |                   |                                |               |           |           |            |                 |                 |                |

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

  
 Signature  
**Jentri Park**  
 Production Clerk  
**03/16/12**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

| ACTION CODE                        | CURRENT ENTITY NO | NEW ENTITY NO | API NUMBER | WELL NAME               | WELL LOCATION |    |    |     |          | SPUD DATE | EFFECTIVE DATE |
|------------------------------------|-------------------|---------------|------------|-------------------------|---------------|----|----|-----|----------|-----------|----------------|
|                                    |                   |               |            |                         | QQ            | SC | TP | RG  | COUNTY   |           |                |
| B                                  | 99999             | 17400         | 4304751634 | GMBU P-25-8-17          | SWSW          | 25 | 8S | 17E | Uintah   | 3/6/2012  | 3/21/12        |
| WELL 1 COMMENTS:<br>GRRV BHL: nwsu |                   |               |            |                         |               |    |    |     |          |           |                |
| B                                  | 99999             | 17400         | 4301350744 | GMBU D-2-9-16           | SESW          | 35 | 8S | 16E | DUCHESNE | 3/8/2012  | 3/21/12        |
| GRRV BHL: 32 T9S nwnw              |                   |               |            |                         |               |    |    |     |          |           |                |
| B                                  | 99999             | 17400         | 4304751882 | GMBU G-32-8-18          | SWNW          | 32 | 8S | 18E | UINTAH   | 3/7/2012  | 3/21/12        |
| GRRV BHL: nenw                     |                   |               |            |                         |               |    |    |     |          |           |                |
| B                                  | 99999             | 17400         | 4304751883 | GMBU N-32-8-18          | SWNW          | 32 | 8S | 18E | UINTAH   | 3/7/2012  | 3/21/12        |
| GRRV BHL: nesw                     |                   |               |            |                         |               |    |    |     |          |           |                |
| A                                  | 99999             | 184165        | 4301351130 | STATE 4-19-3-2WH        | NWNW          | 19 | 3S | 2W  | DUCHESNE | 3/5/2012  | 3/21/12        |
| GRRV BHL: SWSW                     |                   |               |            |                         |               |    |    |     |          |           |                |
| A                                  | 99999             | 184166        | 4301351194 | LAKE BOREHAM 4-36-3-3WH | NWNW          | 36 | 3S | 3W  | DUCHESNE | 3/8/2012  | 3/21/12        |
| GRRV BHL: SWSW                     |                   |               |            |                         |               |    |    |     |          |           |                |

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

RECEIVED

MAR 21 2012

Div. of Oil, Gas & Mining

Signature

Production Clerk

Jentri Park

03/16/12

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 32 T8S R18E

5. Lease Serial No.

FEE

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

GMBU G-32-8-18

9. API Well No.

4304751882

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |                                           |                                                    |                                                 |
|-------------------------------------------------------|----------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment            | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other _____ |
|                                                       | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon       | Spud Notice                                     |
|                                                       | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                                 |

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 3/7/12 MIRU Ross #29. Spud well @1:00 PM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 318.29. On 3/12/12 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 6 barrels cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Branden Arnold

Signature

*Branden Arnold*

Title

Date

03/16/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAR 21 2012**

**DIV. OF OIL, GAS & MINING**

# Casing / Liner Detail

**Well** GMBU G-32-8-18  
**Prospect** Monument Butte  
**Foreman**  
**Run Date:**  
**String Type** Surface, 8.625", 24#, J-55, LTC (Generic)

## - Detail From Top To Bottom -

| Depth  | Length | JTS | Description   | OD    | ID |
|--------|--------|-----|---------------|-------|----|
| 318.87 | 1.42   |     | Wellhead      |       |    |
| 320.29 | -2.00  |     | Cut off       |       |    |
| 13.00  | 44.45  | 1   | Shoe Joint    | 8.625 |    |
| 57.45  | 260.52 | 6   | 8 5/8" Casing | 8.625 |    |
| 317.97 | 0.90   | 1   | Guide Shoe    | 8.625 |    |
| 318.87 |        |     | KB            |       |    |

## Cement Detail

|                 |            |              |       |              |                                          |
|-----------------|------------|--------------|-------|--------------|------------------------------------------|
| Cement Company: |            | BJ           |       |              |                                          |
| Slurry          | # of Sacks | Weight (ppg) | Yield | Volume (ft³) | Description - Slurry Class and Additives |
| Slurry 1        | 160        | 15.8         | 1.17  | 187.2        | Class "G"+2%CaCl                         |

|                                 |       |
|---------------------------------|-------|
| Stab-In-Job?                    | No    |
| BHT:                            | 0     |
| Initial Circulation Pressure:   |       |
| Initial Circulation Rate:       |       |
| Final Circulation Pressure:     |       |
| Final Circulation Rate:         |       |
| Displacement Fluid:             | Water |
| Displacement Rate:              |       |
| Displacement Volume:            | 16.6  |
| Mud Returns:                    |       |
| Centralizer Type And Placement: |       |

|                               |      |
|-------------------------------|------|
| Cement To Surface?            | Yes  |
| Est. Top of Cement:           | 0    |
| Plugs Bumped?                 | Yes  |
| Pressure Plugs Bumped:        | 552  |
| Floats Holding?               | No   |
| Casing Stuck On / Off Bottom? | No   |
| Casing Reciprocated?          | No   |
| Casing Rotated?               | No   |
| CIP:                          | 9:26 |
| Casing Wt Prior To Cement:    |      |
| Casing Weight Set On Slips:   |      |

Middle of first, top of second and third for a total of three.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FORM 9</b>                                              |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-22058 |
| <b>1. TYPE OF WELL</b><br>Oil Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>               |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)        |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>8. WELL NAME and NUMBER:</b><br>GMBU G-32-8-18          |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1857 FNL 0640 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWNW Section: 32 Township: 08.0S Range: 18.0E Meridian: S                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>9. API NUMBER:</b><br>43047518820000                    |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE     |
| <b>COUNTY:</b><br>UINTAH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>STATE:</b><br>UTAH                                      |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |
| <b>TYPE OF SUBMISSION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>TYPE OF ACTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input checked="" type="checkbox"/> DRILLING REPORT<br>Report Date:<br>5/8/2012                                                                                                                                                                                                         | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE<br/><br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/><br/> <input type="checkbox"/> CHANGE WELL STATUS<br/><br/> <input type="checkbox"/> DEEPEN<br/><br/> <input type="checkbox"/> OPERATOR CHANGE<br/><br/> <input checked="" type="checkbox"/> PRODUCTION START OR RESUME<br/><br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/><br/> <input type="checkbox"/> TUBING REPAIR<br/><br/> <input type="checkbox"/> WATER SHUTOFF<br/><br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING<br/><br/> <input type="checkbox"/> CHANGE TUBING<br/><br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/><br/> <input type="checkbox"/> FRACTURE TREAT<br/><br/> <input type="checkbox"/> PLUG AND ABANDON<br/><br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/><br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/><br/> <input type="checkbox"/> VENT OR FLARE<br/><br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/><br/> <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR<br/><br/> <input type="checkbox"/> CHANGE WELL NAME<br/><br/> <input type="checkbox"/> CONVERT WELL TYPE<br/><br/> <input type="checkbox"/> NEW CONSTRUCTION<br/><br/> <input type="checkbox"/> PLUG BACK<br/><br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/><br/> <input type="checkbox"/> TEMPORARY ABANDON<br/><br/> <input type="checkbox"/> WATER DISPOSAL<br/><br/> <input type="checkbox"/> APD EXTENSION<br/><br/>         OTHER: <input style="width: 100%;" type="text"/> </div> </div> |                                                            |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>The above well was placed on production on 05/08/2012 at 14:30 hours.</p> </div> <div style="width: 35%; text-align: center;"> <p><b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>May 15, 2012</p> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |
| <b>NAME (PLEASE PRINT)</b><br>Jennifer Peatross                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>PHONE NUMBER</b><br>435 646-4885                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>TITLE</b><br>Production Technician                      |
| <b>SIGNATURE</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>DATE</b><br>5/10/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1857' FNL 640' FWL (SW/NW) SEC. 32, T8S, R18E (ML-22058)

At top prod. interval reported below 1455' FNL & 1207' FWL (SW/NW) SEC. 32, T8S, R18E (ML-22058)

At total depth 1284' FNL & 1490' FWL (NE/NW) SEC. 32, T8S, R18E (ML-22058) BHL by HSM

14. Date Spudded  
03/07/2012

15. Date T.D. Reached  
04/06/2012

16. Date Completed 05/08/2012  
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.  
ML-22058

6. If Indian, Allottee or Tribe Name  
NA

7. Unit or CA Agreement Name and No.  
GMBU (GRRV)

8. Lease Name and Well No.  
GMBU G-32-8-18 ✓

9. AFI Well No.  
43-047-51882

10. Field and Pool or Exploratory  
MONUMENT BUTTE

11. Sec., T., R., M., on Block and  
Survey or Area SEC. 32, T8S, R18E

12. County or Parish  
UINTAH

13. State  
UT

17. Elevations (DF, RKB, RT, GL)\*  
5017' GL 5030' KB

18. Total Depth: MD 6495'  
TVD 6401'

19. Plug Back T.D.: MD 6433'  
TVD 6329

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade  | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8" J-55 | 24#         | 0        | 318'        |                      | 160 CLASS "G"                |                   |             |               |
| 7-7/8"    | 5-1/2" J-55 | 15.5#       | 0        | 6479'       |                      | 250 PRIMLITE                 |                   | 94'         |               |
|           |             |             |          |             |                      | 450 50/50 POZ                |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |
|           |             |             |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-7/8" | EOT@ 6148'     | TA @ 6050'        |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|-------|--------|---------------------|------|-----------|--------------|
| A) Green River | 4539' | 6095'  | 4539-6095'          | .34" | 63        |              |
| B)             |       |        |                     |      |           |              |
| C)             |       |        |                     |      |           |              |
| D)             |       |        |                     |      |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval | Amount and Type of Material                                                     |
|----------------|---------------------------------------------------------------------------------|
| 4539-6095'     | Frac w/ 246902# 20/40 white sand and 1609 bbls Lightning 17 fluid, in 4 stages. |
|                |                                                                                 |
|                |                                                                                 |

RECEIVED

AUG 27 2012

DIV. OF OIL, GAS & MINING

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method                           |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------------------------|
| 5/4/12              | 5/14/12              | 24           | →               | 105     | 0       | 97        |                       |             | 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                                             |
|                     |                      |              | →               |         |         |           |                       | PRODUCING   |                                             |

28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio            | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio            | Well Status |                   |

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

| Formation   | Top   | Bottom | Descriptions, Contents, etc. | Name                                  | Top            |
|-------------|-------|--------|------------------------------|---------------------------------------|----------------|
|             |       |        |                              |                                       | Meas. Depth    |
| GREEN RIVER | 4539' | 6095'  |                              | GARDEN GULCH MARKER<br>GARDEN GULCH 1 | 4072'<br>4185' |
|             |       |        |                              | GARDEN GULCH 2<br>POINT 3 MARKER      | 4367'<br>4648' |
|             |       |        |                              | X MRKR<br>Y MRKR                      | 4871'<br>4907' |
|             |       |        |                              | DOUGLAS CREEK MRKR<br>BI-CARBONATE    | 5040'<br>5298' |
|             |       |        |                              | B LIMESTONE<br>CASTLE PEAK            | 5466'<br>5845' |
|             |       |        |                              | BASAL CARBONATE<br>WASATCH            | 6282'<br>6392' |

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer PeatrossTitle Production TechnicianSignature Date 06/18/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NEWFIELD**



## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 32 T8, R18**

**G-32-8-18**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**25 April, 2012**





# Payzone Directional

## Survey Report



|                  |                      |                                     |                                    |
|------------------|----------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | NEWFIELD EXPLORATION | <b>Local Co-ordinate Reference:</b> | Well G-32-8-18                     |
| <b>Project:</b>  | USGS Myton SW (UT)   | <b>TVD Reference:</b>               | G-32-8-18 @ 5029.0ft (Capstar 328) |
| <b>Site:</b>     | SECTION 32 T8, R18   | <b>MD Reference:</b>                | G-32-8-18 @ 5029.0ft (Capstar 328) |
| <b>Well:</b>     | G-32-8-18            | <b>North Reference:</b>             | True                               |
| <b>Wellbore:</b> | Wellbore #1          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Actual               | <b>Database:</b>                    | EDM 2003.21 Single User Db         |

|                    |                                              |                      |                |
|--------------------|----------------------------------------------|----------------------|----------------|
| <b>Project</b>     | USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA |                      |                |
| <b>Map System:</b> | US State Plane 1983                          | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983                    |                      |                |
| <b>Map Zone:</b>   | Utah Central Zone                            |                      |                |

|                              |                    |                          |                   |
|------------------------------|--------------------|--------------------------|-------------------|
| <b>Site</b>                  | SECTION 32 T8, R18 |                          |                   |
| <b>Site Position:</b>        |                    | <b>Northing:</b>         | 7,200,263.45 ft   |
| <b>From:</b>                 | Lat/Long           | <b>Easting:</b>          | 2,067,256.45 ft   |
| <b>Position Uncertainty:</b> | 0.0 ft             | <b>Slot Radius:</b>      | "                 |
|                              |                    | <b>Latitude:</b>         | 40° 4' 35.740 N   |
|                              |                    | <b>Longitude:</b>        | 109° 58' 28.340 W |
|                              |                    | <b>Grid Convergence:</b> | 0.98 °            |

|                             |                                                     |                            |                                  |
|-----------------------------|-----------------------------------------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | G-32-8-18, SHL LAT: 40 04 35.74 LONG: -109 55 28.34 |                            |                                  |
| <b>Well Position</b>        | +N/-S                                               | 0.0 ft                     | <b>Northing:</b> 7,200,505.93 ft |
|                             | +E/-W                                               | 0.0 ft                     | <b>Easting:</b> 2,081,245.54 ft  |
| <b>Position Uncertainty</b> | 0.0 ft                                              | <b>Wellhead Elevation:</b> | 5,029.0 ft                       |
|                             |                                                     | <b>Latitude:</b>           | 40° 4' 35.740 N                  |
|                             |                                                     | <b>Longitude:</b>          | 109° 55' 28.340 W                |
|                             |                                                     | <b>Ground Level:</b>       | 5,017.0 ft                       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 7/21/2011          | 11.25                  | 65.85                | 52,301                     |

|                          |                              |                   |                   |                      |     |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| <b>Design</b>            | Actual                       |                   |                   |                      |     |
| <b>Audit Notes:</b>      |                              |                   |                   |                      |     |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>     | ACTUAL            | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                          | 0.0               | 0.0               | 55.04                |     |

|                       |                |                          |                  |                    |  |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | Date 4/25/2012 |                          |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 352.0                 | 6,495.0        | Survey #1 (Wellbore #1)  | MWD              | MWD - Standard     |  |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 352.0               | 0.80            | 41.40       | 352.0               | 1.8        | 1.6        | 2.4                   | 0.23                  | 0.23                 | 0.00                |
| 383.0               | 0.80            | 38.40       | 383.0               | 2.2        | 1.9        | 2.8                   | 0.14                  | 0.00                 | -9.68               |
| 413.0               | 0.90            | 14.70       | 413.0               | 2.6        | 2.1        | 3.2                   | 1.21                  | 0.33                 | -79.00              |
| 444.0               | 1.30            | 5.30        | 444.0               | 3.2        | 2.2        | 3.6                   | 1.41                  | 1.29                 | -30.32              |
| 474.0               | 1.40            | 353.40      | 474.0               | 3.9        | 2.2        | 4.0                   | 0.99                  | 0.33                 | -39.67              |
| 505.0               | 1.60            | 347.20      | 505.0               | 4.7        | 2.0        | 4.3                   | 0.83                  | 0.65                 | -20.00              |
| 536.0               | 1.50            | 351.00      | 535.9               | 5.5        | 1.9        | 4.7                   | 0.46                  | -0.32                | 12.26               |
| 566.0               | 2.10            | 353.90      | 565.9               | 6.4        | 1.8        | 5.1                   | 2.02                  | 2.00                 | 9.67                |
| 597.0               | 2.00            | 356.10      | 596.9               | 7.5        | 1.7        | 5.7                   | 0.41                  | -0.32                | 7.10                |
| 627.0               | 2.50            | 358.20      | 626.9               | 8.7        | 1.6        | 6.3                   | 1.69                  | 1.67                 | 7.00                |
| 658.0               | 3.20            | 1.00        | 657.8               | 10.2       | 1.6        | 7.2                   | 2.30                  | 2.26                 | 9.03                |
| 689.0               | 4.10            | 3.10        | 688.8               | 12.2       | 1.7        | 8.4                   | 2.93                  | 2.90                 | 6.77                |



# Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 32 T8, R18  
Well: G-32-8-18  
Wellbore: Wellbore #1  
Design: Actual

Local Co-ordinate Reference: Well G-32-8-18  
TVD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
MD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

## Survey

| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Turn<br>Rate<br>(°/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 719.0                     | 4.70               | 6.60           | 718.7                     | 14.5          | 1.9           | 9.8                         | 2.19                        | 2.00                       | 11.67                     |
| 749.0                     | 4.80               | 11.30          | 748.6                     | 16.9          | 2.3           | 11.6                        | 1.34                        | 0.33                       | 15.67                     |
| 779.0                     | 5.10               | 16.20          | 778.5                     | 19.5          | 2.9           | 13.5                        | 1.73                        | 1.00                       | 16.33                     |
| 810.0                     | 5.20               | 18.30          | 809.4                     | 22.1          | 3.7           | 15.7                        | 0.69                        | 0.32                       | 6.77                      |
| 840.0                     | 5.10               | 22.60          | 839.2                     | 24.6          | 4.6           | 17.9                        | 1.33                        | -0.33                      | 14.33                     |
| 885.0                     | 5.70               | 32.20          | 884.0                     | 28.4          | 6.6           | 21.7                        | 2.41                        | 1.33                       | 21.33                     |
| 930.0                     | 5.90               | 38.40          | 928.8                     | 32.1          | 9.2           | 25.9                        | 1.46                        | 0.44                       | 13.78                     |
| 976.0                     | 6.40               | 43.00          | 974.5                     | 35.8          | 12.4          | 30.7                        | 1.53                        | 1.09                       | 10.00                     |
| 1,021.0                   | 6.80               | 48.30          | 1,019.2                   | 39.4          | 16.1          | 35.8                        | 1.62                        | 0.89                       | 11.78                     |
| 1,066.0                   | 6.80               | 51.50          | 1,063.9                   | 42.8          | 20.2          | 41.1                        | 0.84                        | 0.00                       | 7.11                      |
| 1,112.0                   | 6.90               | 52.20          | 1,109.6                   | 46.2          | 24.5          | 46.6                        | 0.28                        | 0.22                       | 1.52                      |
| 1,157.0                   | 7.00               | 53.90          | 1,154.3                   | 49.5          | 28.9          | 52.0                        | 0.51                        | 0.22                       | 3.78                      |
| 1,202.0                   | 7.30               | 54.90          | 1,198.9                   | 52.8          | 33.4          | 57.6                        | 0.72                        | 0.67                       | 2.22                      |
| 1,248.0                   | 7.80               | 55.60          | 1,244.5                   | 56.2          | 38.4          | 63.7                        | 1.11                        | 1.09                       | 1.52                      |
| 1,293.0                   | 8.40               | 57.10          | 1,289.1                   | 59.7          | 43.7          | 70.0                        | 1.41                        | 1.33                       | 3.33                      |
| 1,338.0                   | 9.10               | 57.80          | 1,333.5                   | 63.4          | 49.5          | 76.9                        | 1.57                        | 1.56                       | 1.56                      |
| 1,383.0                   | 9.80               | 55.50          | 1,377.9                   | 67.5          | 55.6          | 84.2                        | 1.77                        | 1.56                       | -5.11                     |
| 1,429.0                   | 10.60              | 53.00          | 1,423.2                   | 72.2          | 62.2          | 92.4                        | 1.99                        | 1.74                       | -5.43                     |
| 1,474.0                   | 11.10              | 51.80          | 1,467.4                   | 77.4          | 68.9          | 100.9                       | 1.22                        | 1.11                       | -2.67                     |
| 1,519.0                   | 11.30              | 53.70          | 1,511.5                   | 82.7          | 75.9          | 109.6                       | 0.93                        | 0.44                       | 4.22                      |
| 1,565.0                   | 11.70              | 54.70          | 1,556.6                   | 88.1          | 83.3          | 118.8                       | 0.97                        | 0.87                       | 2.17                      |
| 1,610.0                   | 11.90              | 54.30          | 1,600.7                   | 93.4          | 90.8          | 128.0                       | 0.48                        | 0.44                       | -0.89                     |
| 1,655.0                   | 11.70              | 54.50          | 1,644.7                   | 98.8          | 98.3          | 137.2                       | 0.45                        | -0.44                      | 0.44                      |
| 1,700.0                   | 11.80              | 55.20          | 1,688.8                   | 104.0         | 105.8         | 146.3                       | 0.39                        | 0.22                       | 1.56                      |
| 1,746.0                   | 12.00              | 57.40          | 1,733.8                   | 109.3         | 113.7         | 155.8                       | 1.08                        | 0.43                       | 4.78                      |
| 1,791.0                   | 12.00              | 57.20          | 1,777.8                   | 114.3         | 121.6         | 165.2                       | 0.09                        | 0.00                       | -0.44                     |
| 1,837.0                   | 11.80              | 56.20          | 1,822.8                   | 119.6         | 129.5         | 174.6                       | 0.62                        | -0.43                      | -2.17                     |
| 1,882.0                   | 11.50              | 56.90          | 1,866.9                   | 124.6         | 137.1         | 183.7                       | 0.74                        | -0.67                      | 1.56                      |
| 1,927.0                   | 11.20              | 56.50          | 1,911.0                   | 129.4         | 144.5         | 192.6                       | 0.69                        | -0.67                      | -0.89                     |
| 1,972.0                   | 11.00              | 56.80          | 1,955.2                   | 134.2         | 151.7         | 201.2                       | 0.46                        | -0.44                      | 0.67                      |
| 2,018.0                   | 10.70              | 57.70          | 2,000.3                   | 138.9         | 159.0         | 209.9                       | 0.75                        | -0.65                      | 1.96                      |
| 2,063.0                   | 10.10              | 57.10          | 2,044.6                   | 143.2         | 165.8         | 218.0                       | 1.35                        | -1.33                      | -1.33                     |
| 2,108.0                   | 10.70              | 56.40          | 2,088.9                   | 147.7         | 172.6         | 226.1                       | 1.36                        | 1.33                       | -1.56                     |
| 2,153.0                   | 10.90              | 57.90          | 2,133.1                   | 152.3         | 179.7         | 234.5                       | 0.77                        | 0.44                       | 3.33                      |
| 2,199.0                   | 10.50              | 58.10          | 2,178.3                   | 156.8         | 187.0         | 243.1                       | 0.87                        | -0.87                      | 0.43                      |
| 2,244.0                   | 10.80              | 61.10          | 2,222.5                   | 161.0         | 194.1         | 251.4                       | 1.40                        | 0.67                       | 6.67                      |
| 2,289.0                   | 10.70              | 61.30          | 2,266.7                   | 165.0         | 201.5         | 259.7                       | 0.24                        | -0.22                      | 0.44                      |
| 2,334.0                   | 10.90              | 57.50          | 2,310.9                   | 169.3         | 208.7         | 268.1                       | 1.64                        | 0.44                       | -8.44                     |
| 2,380.0                   | 11.10              | 56.30          | 2,356.1                   | 174.1         | 216.1         | 276.9                       | 0.66                        | 0.43                       | -2.61                     |
| 2,425.0                   | 11.20              | 56.50          | 2,400.2                   | 178.9         | 223.3         | 285.6                       | 0.24                        | 0.22                       | 0.44                      |
| 2,470.0                   | 11.50              | 58.10          | 2,444.3                   | 183.7         | 230.8         | 294.4                       | 0.97                        | 0.67                       | 3.56                      |
| 2,515.0                   | 11.40              | 58.40          | 2,488.4                   | 188.4         | 238.4         | 303.3                       | 0.26                        | -0.22                      | 0.67                      |
| 2,560.0                   | 11.10              | 58.60          | 2,532.6                   | 193.0         | 245.9         | 312.1                       | 0.67                        | -0.67                      | 0.44                      |
| 2,606.0                   | 11.40              | 56.90          | 2,577.7                   | 197.8         | 253.5         | 321.1                       | 0.97                        | 0.65                       | -3.70                     |
| 2,651.0                   | 11.10              | 56.20          | 2,621.8                   | 202.6         | 260.8         | 329.8                       | 0.73                        | -0.67                      | -1.56                     |
| 2,696.0                   | 10.50              | 55.30          | 2,666.0                   | 207.4         | 267.8         | 338.3                       | 1.38                        | -1.33                      | -2.00                     |
| 2,741.0                   | 9.90               | 53.50          | 2,710.3                   | 212.0         | 274.2         | 346.2                       | 1.51                        | -1.33                      | -4.00                     |
| 2,787.0                   | 10.50              | 55.00          | 2,755.6                   | 216.8         | 280.9         | 354.4                       | 1.43                        | 1.30                       | 3.26                      |
| 2,832.0                   | 10.80              | 57.60          | 2,799.8                   | 221.4         | 287.8         | 362.7                       | 1.26                        | 0.67                       | 5.78                      |
| 2,877.0                   | 11.30              | 59.60          | 2,844.0                   | 225.9         | 295.1         | 371.3                       | 1.40                        | 1.11                       | 4.44                      |
| 2,923.0                   | 12.00              | 58.60          | 2,889.0                   | 230.7         | 303.1         | 380.6                       | 1.58                        | 1.52                       | -2.17                     |
| 2,968.0                   | 12.50              | 59.20          | 2,933.0                   | 235.6         | 311.3         | 390.1                       | 1.15                        | 1.11                       | 1.33                      |
| 3,013.0                   | 11.90              | 57.60          | 2,977.0                   | 240.6         | 319.4         | 399.6                       | 1.53                        | -1.33                      | -3.56                     |
| 3,060.0                   | 10.80              | 52.60          | 3,023.1                   | 245.8         | 327.0         | 408.8                       | 3.14                        | -2.34                      | -10.64                    |



# Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 32 T8, R18  
Well: G-32-8-18  
Wellbore: Wellbore #1  
Design: Actual

Local Co-ordinate Reference: Well G-32-8-18  
TVD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
MD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

## Survey

| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Turn<br>Rate<br>(°/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 3,105.0                   | 9.80               | 49.70          | 3,067.4                   | 250.9         | 333.2         | 416.9                       | 2.50                        | -2.22                      | -6.44                     |
| 3,150.0                   | 9.70               | 50.30          | 3,111.7                   | 255.8         | 339.1         | 424.5                       | 0.32                        | -0.22                      | 1.33                      |
| 3,195.0                   | 9.90               | 52.50          | 3,156.0                   | 260.6         | 345.1         | 432.1                       | 0.94                        | 0.44                       | 4.89                      |
| 3,240.0                   | 10.50              | 54.40          | 3,200.3                   | 265.3         | 351.5         | 440.1                       | 1.53                        | 1.33                       | 4.22                      |
| 3,285.0                   | 10.80              | 57.10          | 3,244.6                   | 270.0         | 358.3         | 448.4                       | 1.29                        | 0.67                       | 6.00                      |
| 3,331.0                   | 11.60              | 58.80          | 3,289.7                   | 274.7         | 365.9         | 457.3                       | 1.88                        | 1.74                       | 3.70                      |
| 3,376.0                   | 12.80              | 59.90          | 3,333.7                   | 279.6         | 374.1         | 466.8                       | 2.72                        | 2.67                       | 2.44                      |
| 3,421.0                   | 12.20              | 59.00          | 3,377.6                   | 284.5         | 382.5         | 476.5                       | 1.40                        | -1.33                      | -2.00                     |
| 3,467.0                   | 11.40              | 56.60          | 3,422.6                   | 289.5         | 390.4         | 485.9                       | 2.04                        | -1.74                      | -5.22                     |
| 3,512.0                   | 11.60              | 57.20          | 3,466.7                   | 294.4         | 398.0         | 494.8                       | 0.52                        | 0.44                       | 1.33                      |
| 3,557.0                   | 11.90              | 57.50          | 3,510.8                   | 299.3         | 405.7         | 504.0                       | 0.68                        | 0.67                       | 0.67                      |
| 3,603.0                   | 11.90              | 57.70          | 3,555.8                   | 304.4         | 413.7         | 513.5                       | 0.09                        | 0.00                       | 0.43                      |
| 3,648.0                   | 11.40              | 56.50          | 3,599.9                   | 309.4         | 421.3         | 522.6                       | 1.23                        | -1.11                      | -2.67                     |
| 3,693.0                   | 10.70              | 56.20          | 3,644.0                   | 314.1         | 428.5         | 531.2                       | 1.56                        | -1.56                      | -0.67                     |
| 3,738.0                   | 10.50              | 54.40          | 3,688.3                   | 318.9         | 435.3         | 539.5                       | 0.86                        | -0.44                      | -4.00                     |
| 3,784.0                   | 10.40              | 54.80          | 3,733.5                   | 323.7         | 442.1         | 547.8                       | 0.27                        | -0.22                      | 0.87                      |
| 3,829.0                   | 10.00              | 57.00          | 3,777.8                   | 328.2         | 448.7         | 555.8                       | 1.24                        | -0.89                      | 4.89                      |
| 3,874.0                   | 10.00              | 58.50          | 3,822.1                   | 332.3         | 455.3         | 563.6                       | 0.58                        | 0.00                       | 3.33                      |
| 3,919.0                   | 10.90              | 59.30          | 3,866.4                   | 336.5         | 462.3         | 571.7                       | 2.03                        | 2.00                       | 1.78                      |
| 3,965.0                   | 11.20              | 58.80          | 3,911.5                   | 341.1         | 469.9         | 580.5                       | 0.68                        | 0.65                       | -1.09                     |
| 4,010.0                   | 10.80              | 57.60          | 3,955.7                   | 345.6         | 477.2         | 589.1                       | 1.02                        | -0.89                      | -2.67                     |
| 4,055.0                   | 10.70              | 56.10          | 3,999.9                   | 350.2         | 484.2         | 597.5                       | 0.66                        | -0.22                      | -3.33                     |
| 4,101.0                   | 10.30              | 54.60          | 4,045.1                   | 355.0         | 491.1         | 605.9                       | 1.05                        | -0.87                      | -3.26                     |
| 4,146.0                   | 10.00              | 54.70          | 4,089.4                   | 359.5         | 497.5         | 613.8                       | 0.67                        | -0.67                      | 0.22                      |
| 4,191.0                   | 10.60              | 56.10          | 4,133.7                   | 364.1         | 504.2         | 621.8                       | 1.44                        | 1.33                       | 3.11                      |
| 4,236.0                   | 10.70              | 57.80          | 4,177.9                   | 368.6         | 511.1         | 630.1                       | 0.73                        | 0.22                       | 3.78                      |
| 4,282.0                   | 11.30              | 59.90          | 4,223.1                   | 373.2         | 518.7         | 638.9                       | 1.57                        | 1.30                       | 4.57                      |
| 4,327.0                   | 12.30              | 60.20          | 4,267.1                   | 377.8         | 526.6         | 648.1                       | 2.23                        | 2.22                       | 0.67                      |
| 4,372.0                   | 12.50              | 59.80          | 4,311.1                   | 382.6         | 535.0         | 657.7                       | 0.48                        | 0.44                       | -0.89                     |
| 4,418.0                   | 12.40              | 59.50          | 4,356.0                   | 387.6         | 543.6         | 667.6                       | 0.26                        | -0.22                      | -0.65                     |
| 4,463.0                   | 11.80              | 59.00          | 4,400.0                   | 392.4         | 551.7         | 677.0                       | 1.35                        | -1.33                      | -1.11                     |
| 4,508.0                   | 11.20              | 58.20          | 4,444.1                   | 397.1         | 559.3         | 685.9                       | 1.38                        | -1.33                      | -1.78                     |
| 4,554.0                   | 11.40              | 58.90          | 4,489.2                   | 401.8         | 567.0         | 694.9                       | 0.53                        | 0.43                       | 1.52                      |
| 4,599.0                   | 11.80              | 59.20          | 4,533.3                   | 406.5         | 574.8         | 704.0                       | 0.90                        | 0.89                       | 0.67                      |
| 4,644.0                   | 12.00              | 59.80          | 4,577.3                   | 411.2         | 582.8         | 713.2                       | 0.52                        | 0.44                       | 1.33                      |
| 4,690.0                   | 11.20              | 58.90          | 4,622.4                   | 415.9         | 590.7         | 722.4                       | 1.78                        | -1.74                      | -1.96                     |
| 4,735.0                   | 10.40              | 58.30          | 4,666.6                   | 420.3         | 597.9         | 730.8                       | 1.80                        | -1.78                      | -1.33                     |
| 4,780.0                   | 10.80              | 58.20          | 4,710.8                   | 424.6         | 605.0         | 739.1                       | 0.89                        | 0.89                       | -0.22                     |
| 4,825.0                   | 11.70              | 58.10          | 4,754.9                   | 429.3         | 612.4         | 747.9                       | 2.00                        | 2.00                       | -0.22                     |
| 4,871.0                   | 11.70              | 56.50          | 4,800.0                   | 434.3         | 620.3         | 757.2                       | 0.71                        | 0.00                       | -3.48                     |
| 4,916.0                   | 11.60              | 54.80          | 4,844.1                   | 439.4         | 627.8         | 766.3                       | 0.79                        | -0.22                      | -3.78                     |
| 4,961.0                   | 10.90              | 57.20          | 4,888.2                   | 444.3         | 635.0         | 775.1                       | 1.87                        | -1.56                      | 5.33                      |
| 5,007.0                   | 10.30              | 58.50          | 4,933.4                   | 448.8         | 642.2         | 783.5                       | 1.40                        | -1.30                      | 2.83                      |
| 5,052.0                   | 9.90               | 57.30          | 4,977.7                   | 453.0         | 648.9         | 791.4                       | 1.00                        | -0.89                      | -2.67                     |
| 5,097.0                   | 10.00              | 57.30          | 5,022.0                   | 457.2         | 655.4         | 799.2                       | 0.22                        | 0.22                       | 0.00                      |
| 5,143.0                   | 9.90               | 59.10          | 5,067.3                   | 461.4         | 662.2         | 807.1                       | 0.71                        | -0.22                      | 3.91                      |
| 5,188.0                   | 9.50               | 57.90          | 5,111.7                   | 465.4         | 668.7         | 814.7                       | 1.00                        | -0.89                      | -2.67                     |
| 5,233.0                   | 9.30               | 57.50          | 5,156.1                   | 469.3         | 674.9         | 822.0                       | 0.47                        | -0.44                      | -0.89                     |
| 5,279.0                   | 9.70               | 59.50          | 5,201.5                   | 473.3         | 681.3         | 829.6                       | 1.13                        | 0.87                       | 4.35                      |
| 5,324.0                   | 8.80               | 62.50          | 5,245.9                   | 476.8         | 687.7         | 836.8                       | 2.27                        | -2.00                      | 6.67                      |
| 5,325.4                   | 8.80               | 62.50          | 5,247.3                   | 476.9         | 687.9         | 837.0                       | 0.22                        | 0.22                       | -0.22                     |
| <b>G-32-8-18 TGT</b>      |                    |                |                           |               |               |                             |                             |                            |                           |
| 5,369.0                   | 8.90               | 62.40          | 5,290.3                   | 480.0         | 693.8         | 843.6                       | 0.22                        | 0.22                       | -0.22                     |
| 5,414.0                   | 9.60               | 63.00          | 5,334.7                   | 483.3         | 700.2         | 850.8                       | 1.57                        | 1.56                       | 1.33                      |



# Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 32 T8, R18  
Well: G-32-8-18  
Wellbore: Wellbore #1  
Design: Actual

Local Co-ordinate Reference: Well G-32-8-18  
TVD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
MD Reference: G-32-8-18 @ 5029.0ft (Capstar 328)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

## Survey

| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Turn<br>Rate<br>(°/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 5,460.0                   | 10.40              | 64.80          | 5,380.1                   | 486.8         | 707.4         | 858.7                       | 1.87                        | 1.74                       | 3.91                      |
| 5,505.0                   | 10.70              | 64.80          | 5,424.3                   | 490.3         | 714.9         | 866.8                       | 0.67                        | 0.67                       | 0.00                      |
| 5,550.0                   | 10.70              | 65.70          | 5,468.5                   | 493.8         | 722.4         | 875.0                       | 0.37                        | 0.00                       | 2.00                      |
| 5,596.0                   | 10.50              | 65.40          | 5,513.7                   | 497.3         | 730.1         | 883.4                       | 0.45                        | -0.43                      | -0.65                     |
| 5,641.0                   | 10.90              | 63.40          | 5,557.9                   | 500.9         | 737.7         | 891.6                       | 1.21                        | 0.89                       | -4.44                     |
| 5,686.0                   | 11.20              | 63.50          | 5,602.1                   | 504.8         | 745.4         | 900.1                       | 0.67                        | 0.67                       | 0.22                      |
| 5,731.0                   | 11.40              | 63.20          | 5,646.2                   | 508.8         | 753.3         | 908.9                       | 0.46                        | 0.44                       | -0.67                     |
| 5,776.0                   | 11.80              | 59.80          | 5,690.3                   | 513.1         | 761.2         | 917.9                       | 1.76                        | 0.89                       | -7.56                     |
| 5,821.0                   | 11.60              | 58.60          | 5,734.4                   | 517.7         | 769.1         | 927.0                       | 0.70                        | -0.44                      | -2.67                     |
| 5,867.0                   | 10.30              | 56.80          | 5,779.5                   | 522.4         | 776.4         | 935.7                       | 2.92                        | -2.83                      | -3.91                     |
| 5,912.0                   | 10.20              | 56.30          | 5,823.8                   | 526.8         | 783.1         | 943.7                       | 0.30                        | -0.22                      | -1.11                     |
| 5,957.0                   | 10.20              | 56.80          | 5,868.1                   | 531.2         | 789.8         | 951.6                       | 0.20                        | 0.00                       | 1.11                      |
| 6,003.0                   | 10.00              | 55.90          | 5,913.4                   | 535.7         | 796.5         | 959.7                       | 0.55                        | -0.43                      | -1.96                     |
| 6,048.0                   | 9.60               | 56.20          | 5,957.7                   | 540.0         | 802.8         | 967.4                       | 0.90                        | -0.89                      | 0.67                      |
| 6,093.0                   | 9.10               | 54.60          | 6,002.1                   | 544.1         | 808.9         | 974.7                       | 1.25                        | -1.11                      | -3.56                     |
| 6,138.0                   | 9.10               | 53.90          | 6,046.6                   | 548.3         | 814.6         | 981.8                       | 0.25                        | 0.00                       | -1.56                     |
| 6,184.0                   | 8.40               | 54.50          | 6,092.0                   | 552.4         | 820.3         | 988.8                       | 1.53                        | -1.52                      | 1.30                      |
| 6,229.0                   | 8.60               | 54.80          | 6,136.5                   | 556.2         | 825.7         | 995.4                       | 0.46                        | 0.44                       | 0.67                      |
| 6,274.0                   | 7.60               | 54.50          | 6,181.1                   | 559.9         | 830.9         | 1,001.8                     | 2.22                        | -2.22                      | -0.67                     |
| 6,320.0                   | 6.80               | 54.60          | 6,226.7                   | 563.2         | 835.6         | 1,007.6                     | 1.74                        | -1.74                      | 0.22                      |
| 6,365.0                   | 6.50               | 55.50          | 6,271.4                   | 566.2         | 839.9         | 1,012.8                     | 0.71                        | -0.67                      | 2.00                      |
| 6,410.0                   | 5.80               | 55.20          | 6,316.2                   | 568.9         | 843.8         | 1,017.6                     | 1.56                        | -1.56                      | -0.67                     |
| 6,440.0                   | 5.10               | 57.10          | 6,346.0                   | 570.5         | 846.2         | 1,020.4                     | 2.41                        | -2.33                      | 6.33                      |
| 6,480.0                   | 5.10               | 57.10          | 6,385.9                   | 572.5         | 849.2         | 1,024.0                     | 0.00                        | 0.00                       | 0.00                      |
| 6,495.0                   | 5.10               | 57.10          | 6,400.8                   | 573.2         | 850.3         | 1,025.3                     | 0.00                        | 0.00                       | 0.00                      |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

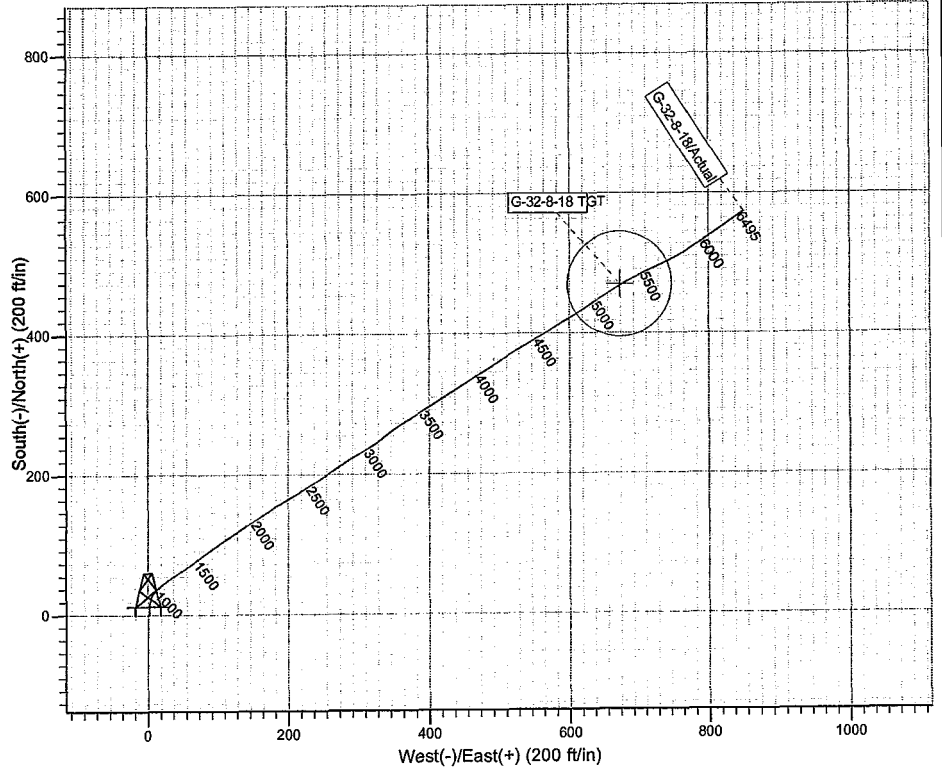
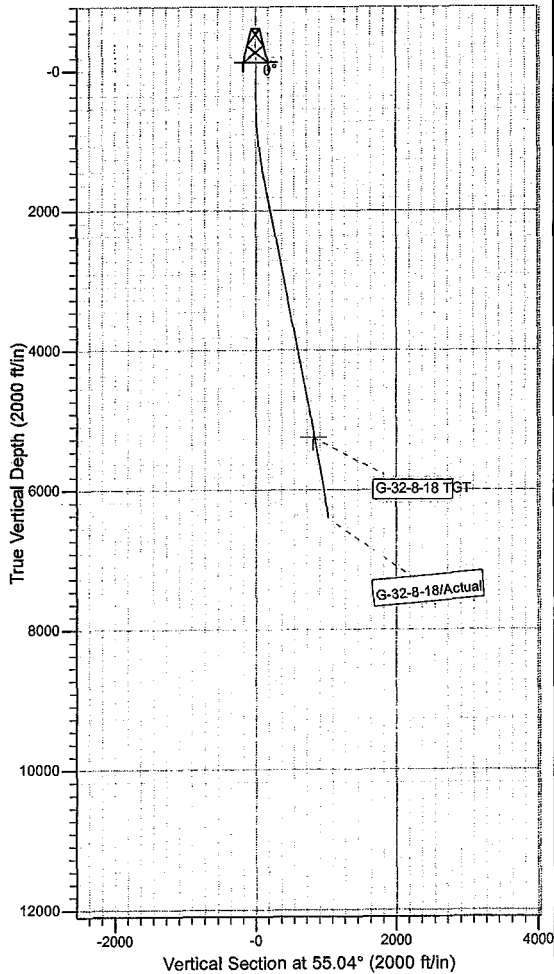
# NEWFIELD

Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8, R18  
 Well: G-32-8-18  
 Wellbore: Wellbore #1  
 Design: Actual



Azimuths to True North  
 Magnetic North: 11.25°

Magnetic Field  
 Strength: 52301.2snT  
 Dip Angle: 65.85°  
 Date: 7/21/2011  
 Model: IGRF2010



Design: Actual (G-32-8-18/Wellbore #1)

Created By: Sarah Webb

Date: 16:52, April 25 2012

THIS SURVEY IS CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND IS SUPPORTED  
 BY ACTUAL FIELD DATA

|                                                                                                                                                                                                                                                                                                    |  |                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING                                                                                                                                                                                                        |  | <b>FORM 9</b>                                              |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-22058 |
| <b>1. TYPE OF WELL</b><br>Oil Well                                                                                                                                                                                                                                                                 |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>               |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY                                                                                                                                                                                                                                         |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)        |
| <b>3. ADDRESS OF OPERATOR:</b><br>1001 17th Street, Suite 2000 , Denver, CO, 80202                                                                                                                                                                                                                 |  | <b>8. WELL NAME and NUMBER:</b><br>GMBU G-32-8-18          |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1857 FNL 0640 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWNW Section: 32 Township: 08.0S Range: 18.0E Meridian: S                                                                                        |  | <b>9. API NUMBER:</b><br>43047518820000                    |
| <b>PHONE NUMBER:</b><br>303 382-4443 Ext                                                                                                                                                                                                                                                           |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE     |
| <b>COUNTY:</b><br>UTAH                                                                                                                                                                                                                                                                             |  | <b>STATE:</b><br>UTAH                                      |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                                                             | TYPE OF ACTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                 | <input type="checkbox"/> ACIDIZE<br><br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION | <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br><b>6/26/2013</b><br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date: |
| OTHER: <span style="border: 1px solid black; padding: 2px;">Site Facility/Site Security</span> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

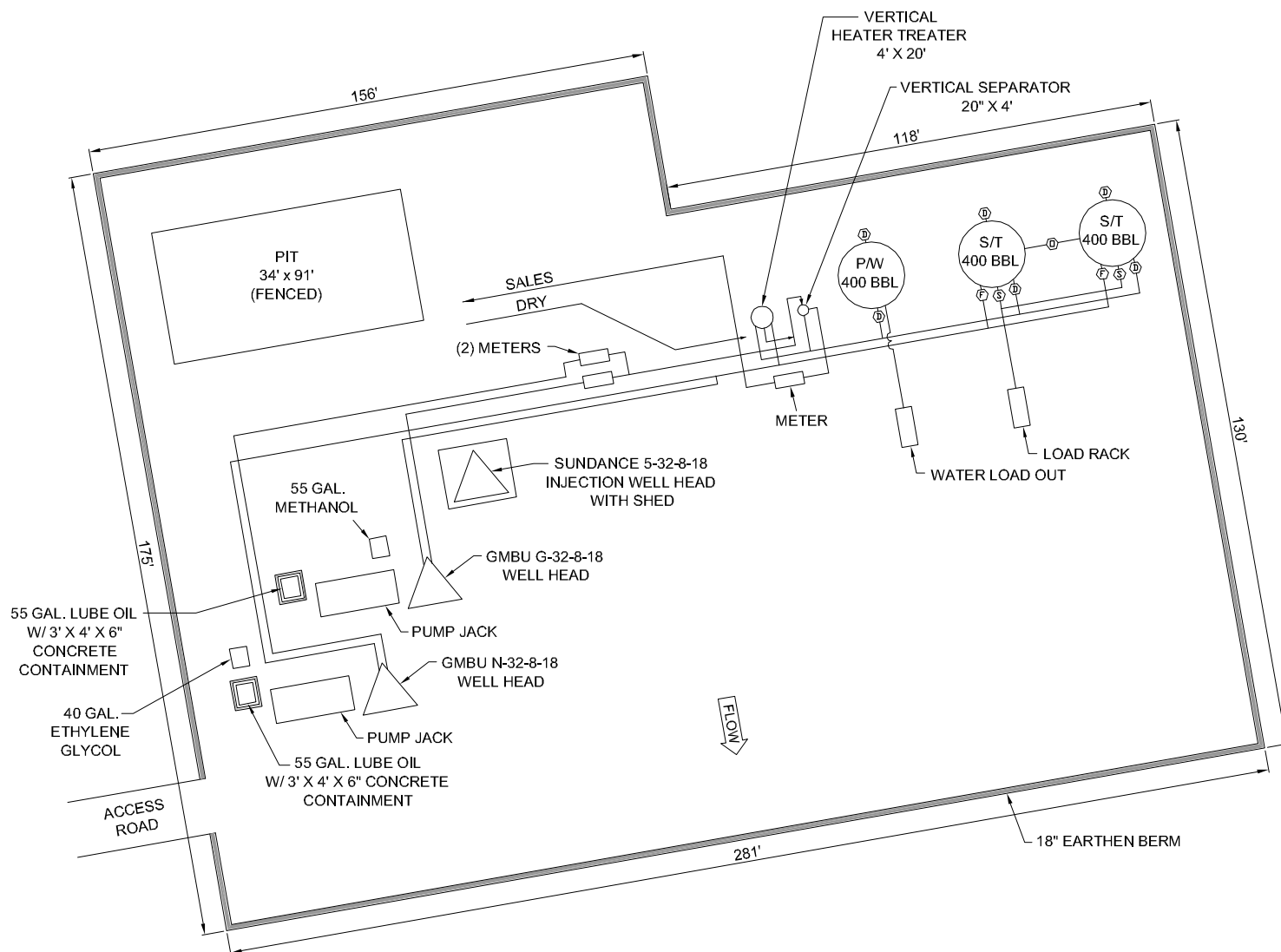
SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

August 09, 2013

|                                            |                                     |                                       |
|--------------------------------------------|-------------------------------------|---------------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Jill L Loyle | <b>PHONE NUMBER</b><br>303 383-4135 | <b>TITLE</b><br>Regulatory Technician |
| <b>SIGNATURE</b><br>N/A                    | <b>DATE</b><br>6/26/2013            |                                       |



| POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION |                 |             |                |
|-------------------------------------------------------|-----------------|-------------|----------------|
| Valve                                                 | Line Purpose    | Position    | Seal Installed |
| D                                                     | Drain           | Closed      | Yes            |
| F                                                     | Oil, Gas, Water | Open        | No             |
| O                                                     | Overflow        | Open/Closed | No             |
| V                                                     | Vent            | Open        | No             |
| R                                                     | Recycle         | Closed      | Yes            |
| B                                                     | Blowdown        | Open/Closed | No             |
| S                                                     | Sales           | Closed      | Yes            |

| Valve Type |             |
|------------|-------------|
| D          | Drain Valve |
| F          | Flow Valve  |
| O          | Overflow    |
| V          | Vent        |
| R          | Recycle     |
| B          | Blow Down   |
| S          | Sales Valve |

Federal Lease #: UTU-87538X

This lease is subject to the  
Site Security Plan for:  
Newfield Exploration Company  
19 East Pine Street  
Pinedale, WY 82941



SUNDANCE 5-32-8-18,  
GMBU G-32-8-18 AND GMBU N-32-8-18

Newfield Exploration Company  
SWNW Sec 32, T8S, R18E  
Uintah County, UT

| POSITION OF VALVES AND USE OF SEALS DURING SALES |                 |          |                |
|--------------------------------------------------|-----------------|----------|----------------|
| Valve                                            | Line Purpose    | Position | Seal Installed |
| D                                                | Drain           | Closed   | Yes            |
| F                                                | Oil, Gas, Water | Closed   | Yes            |
| O                                                | Overflow        | Closed   | Yes            |
| V                                                | Vent            | Open     | No             |
| R                                                | Recycle         | Closed   | Yes            |
| B                                                | Blowdown        | Closed   | No             |
| S                                                | Sales           | Open     | No             |

| POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN |                 |          |                |
|--------------------------------------------------------|-----------------|----------|----------------|
| Valve                                                  | Line Purpose    | Position | Seal Installed |
| D                                                      | Drain           | Open     | No             |
| F                                                      | Oil, Gas, Water | Closed   | No             |
| O                                                      | Overflow        | Closed   | No             |
| V                                                      | Vent            | Open     | No             |
| R                                                      | Recycle         | Closed   | Yes            |
| B                                                      | Blowdown        | Closed   | No             |
| S                                                      | Sales           | Closed   | Yes            |

M.G.

AUG 2012



Note: This drawing  
represents approximate  
sizes and distances.  
Underground pipeline  
locations are also  
approximated.

RECEIVED: Jun. 26, 2013